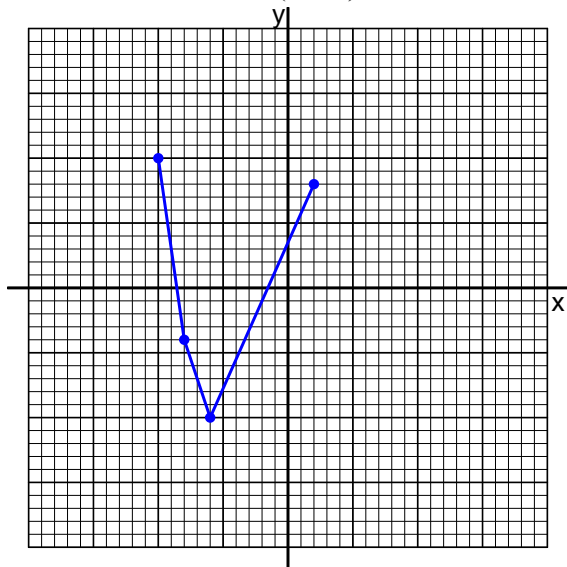
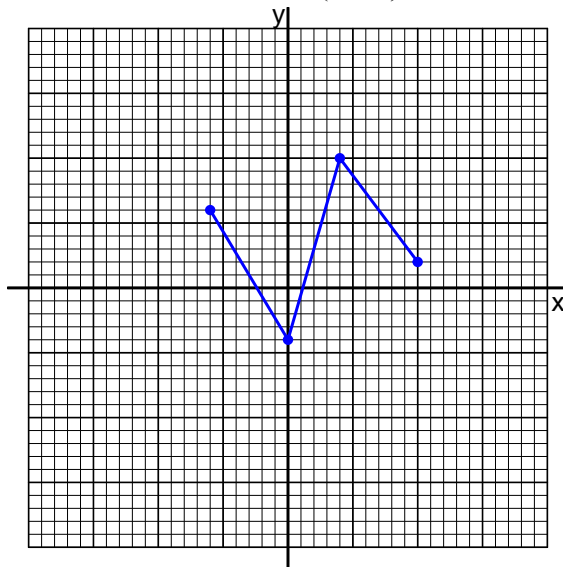


1. Each of the curves below represent a different  $y = f(x)$ . For each, draw a second curve,  $y = g(x)$ , defined by the equation above the graph.

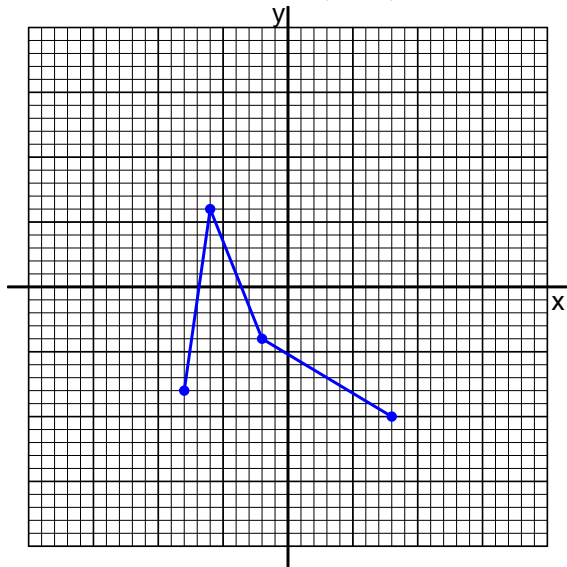
$$g(x) = f(x+2) + 2$$



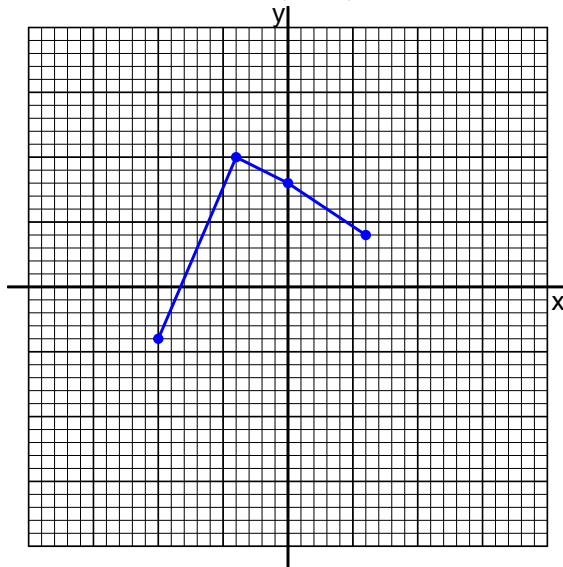
$$g(x) = 2 \cdot f(x-2)$$



$$g(x) = 2 \cdot f(x-2)$$

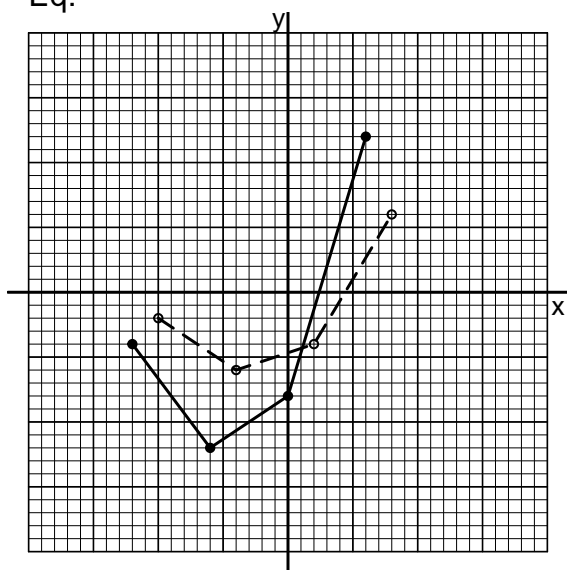


$$g(x) = f(x-2) + 2$$

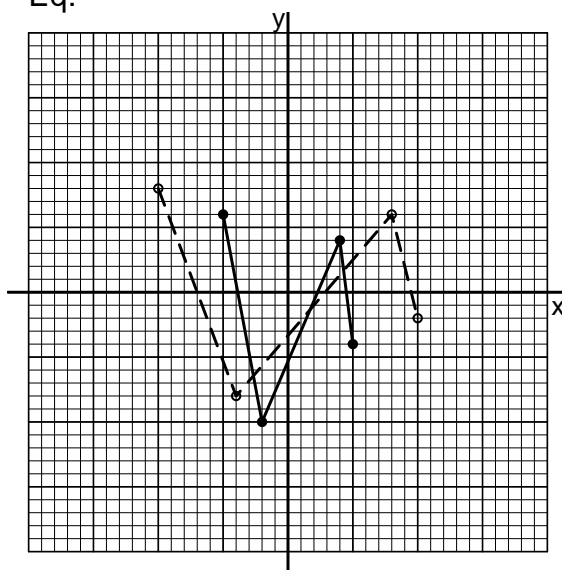


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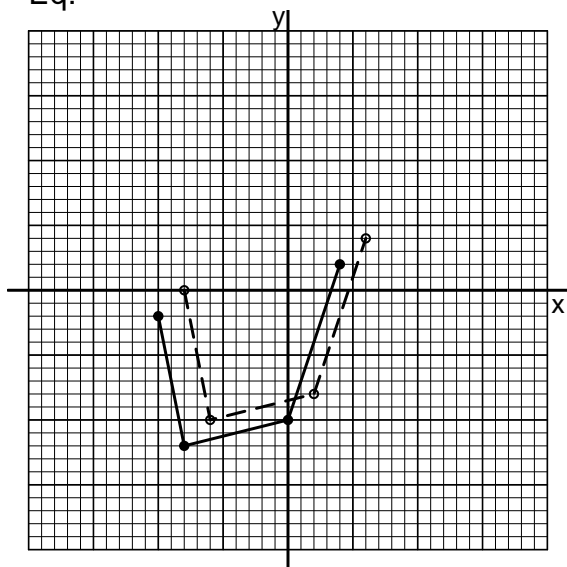
Eq:



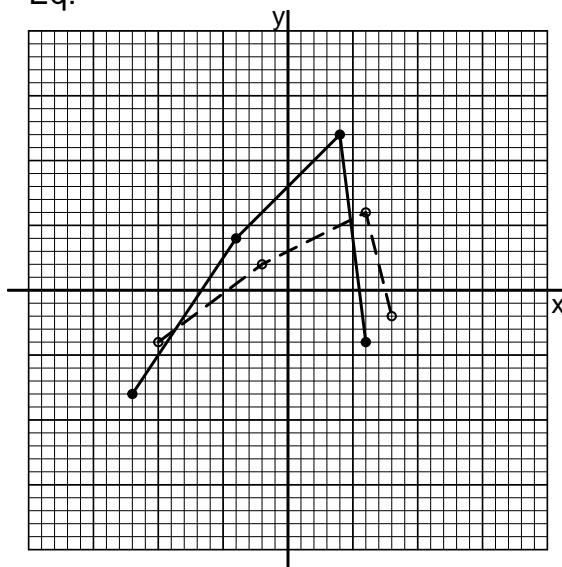
Eq:



Eq:

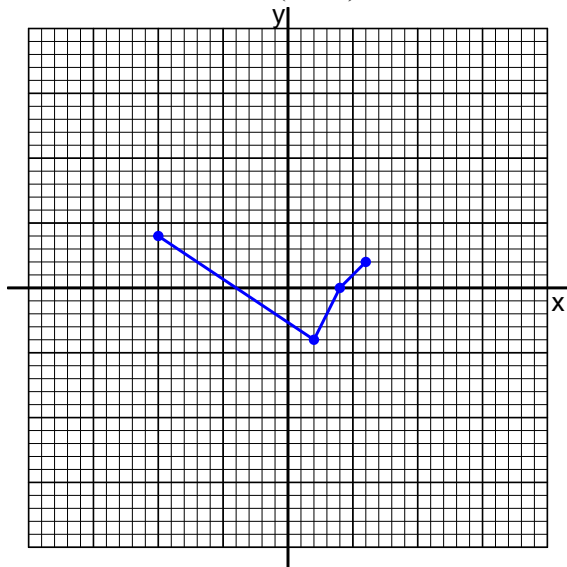


Eq:

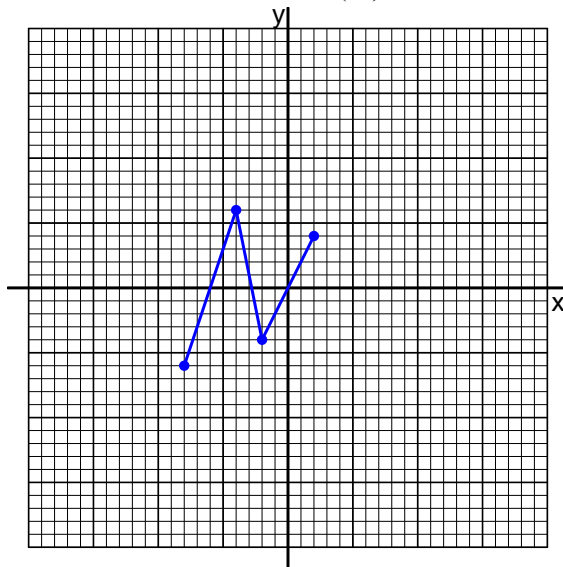


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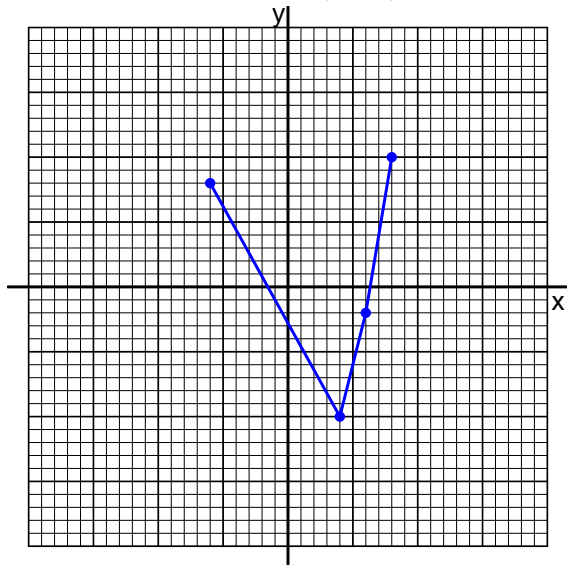
$$g(x) = f(x+2) + 2$$



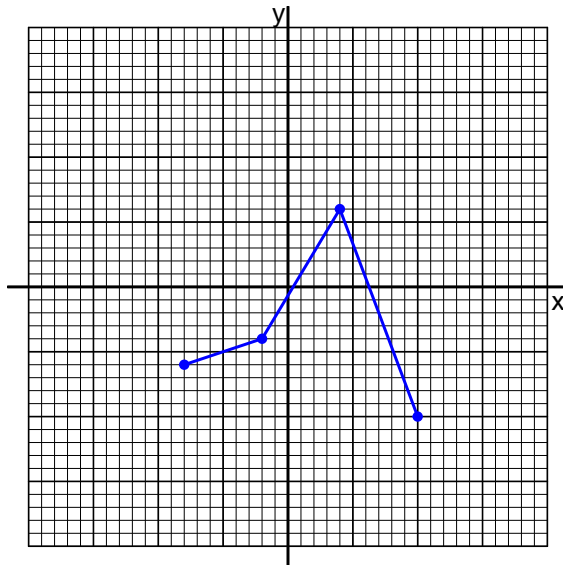
$$g(x) = 2 \cdot f\left(\frac{x}{2}\right)$$



$$g(x) = 2 \cdot f(x+2)$$

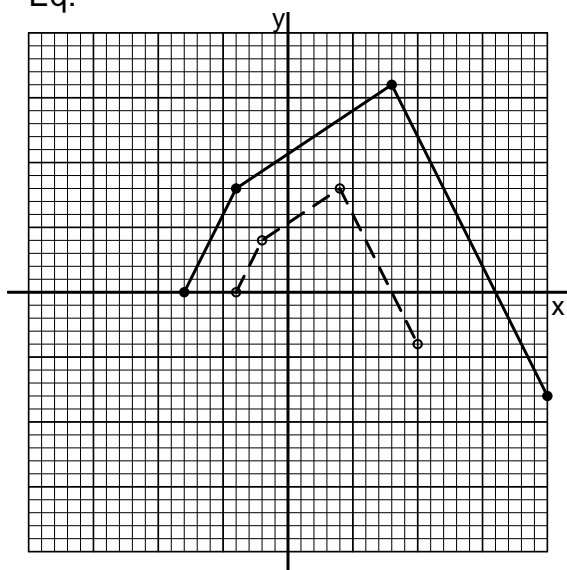


$$g(x) = \frac{f\left(\frac{x}{2}\right)}{2}$$

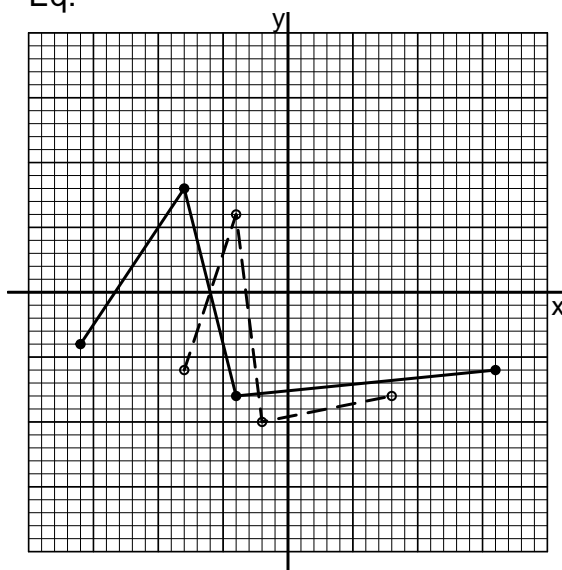


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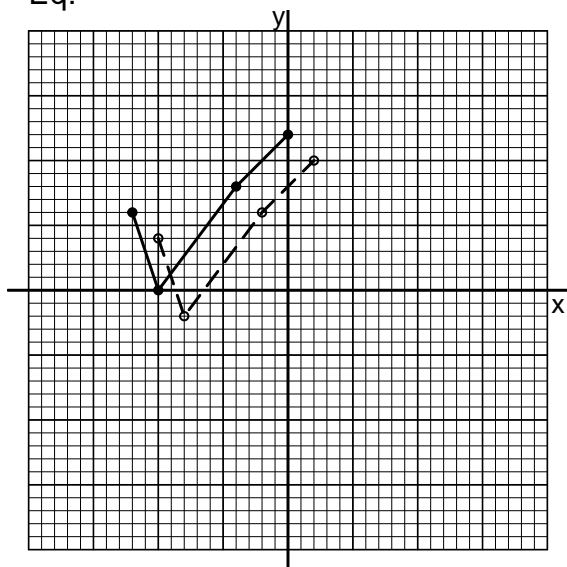
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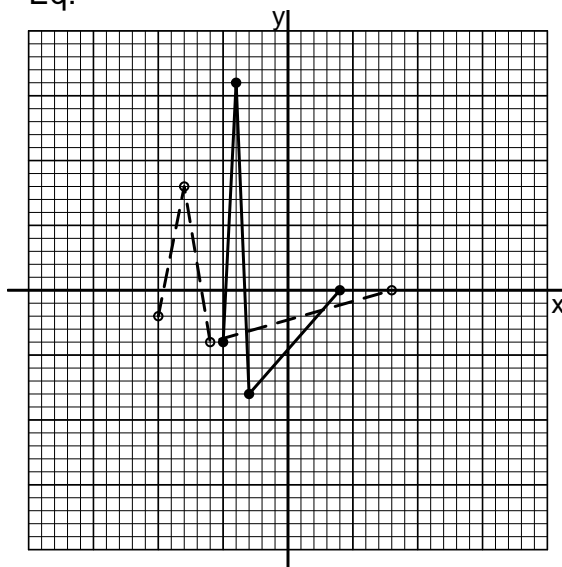
Eq:



Eq:

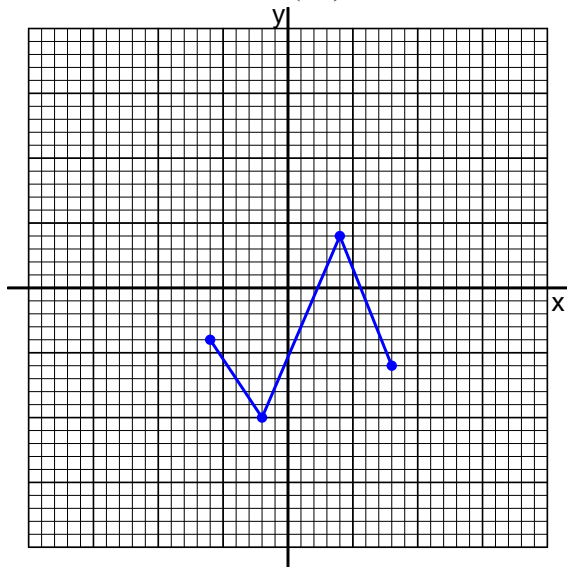


Eq:

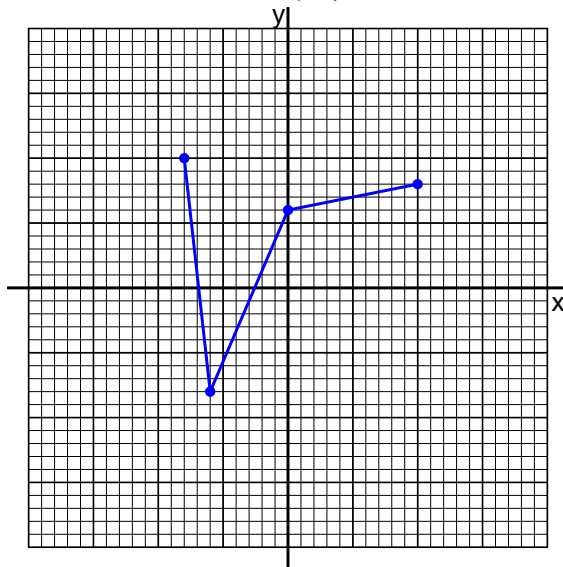


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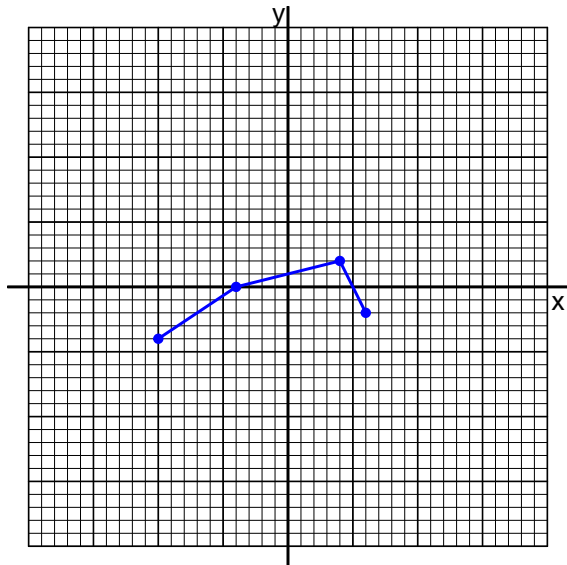
$$g(x) = f(2x) - 2$$



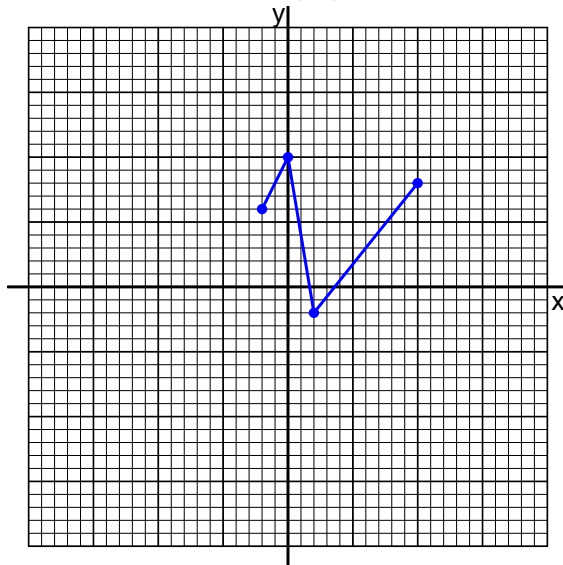
$$g(x) = f(2x) + 2$$



$$g(x) = \frac{f\left(\frac{x}{2}\right)}{2}$$

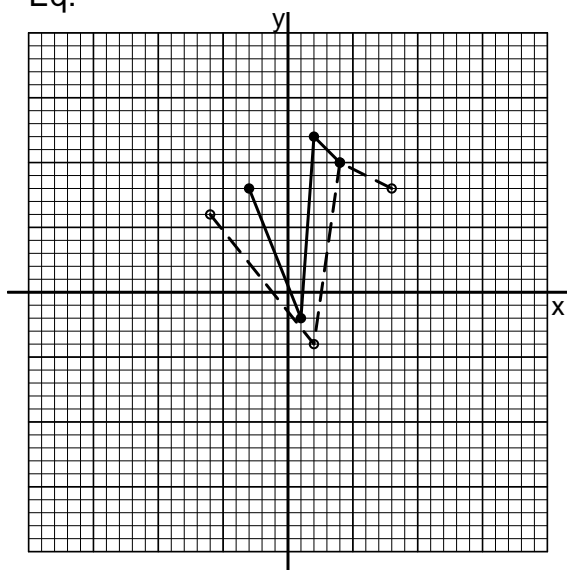


$$g(x) = f(2x) - 2$$

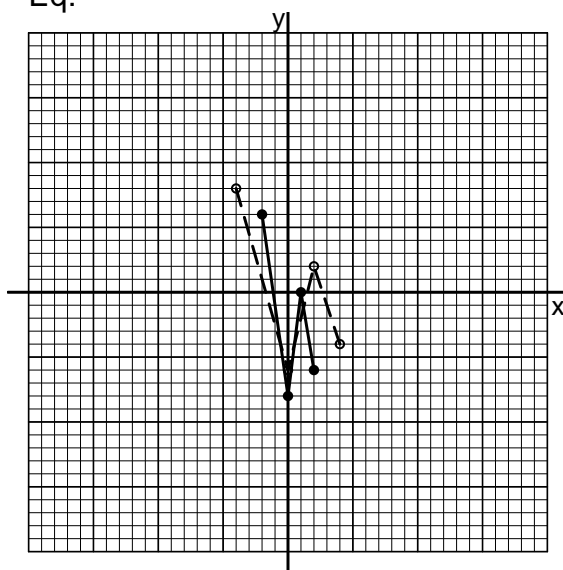


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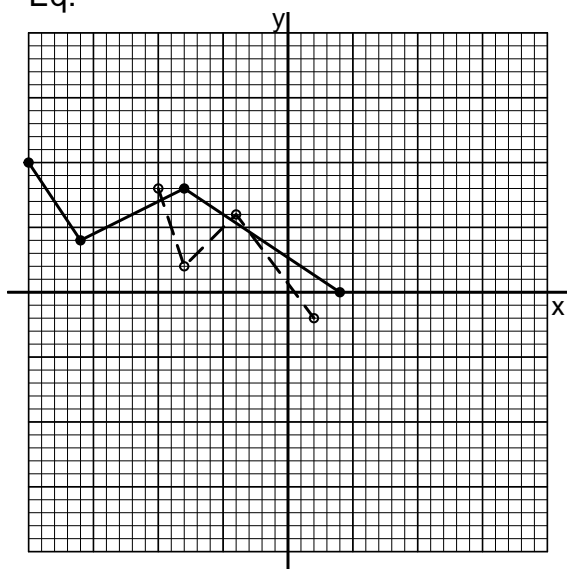
Eq:



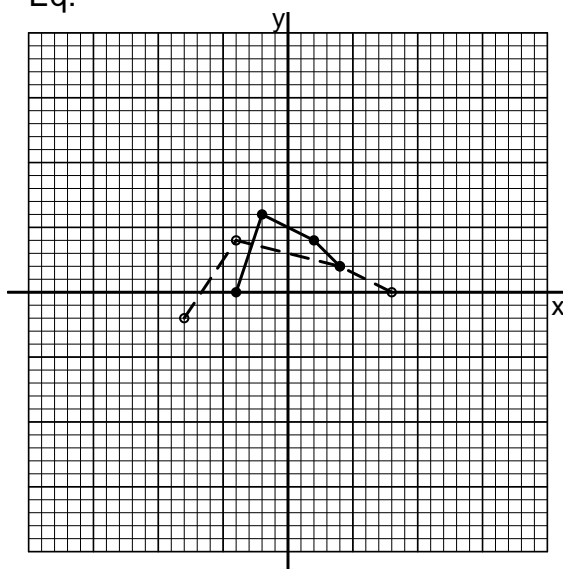
Eq:



Eq:

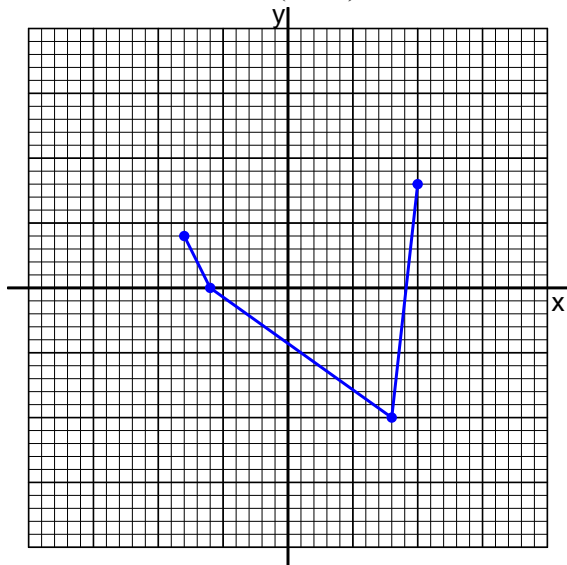


Eq:

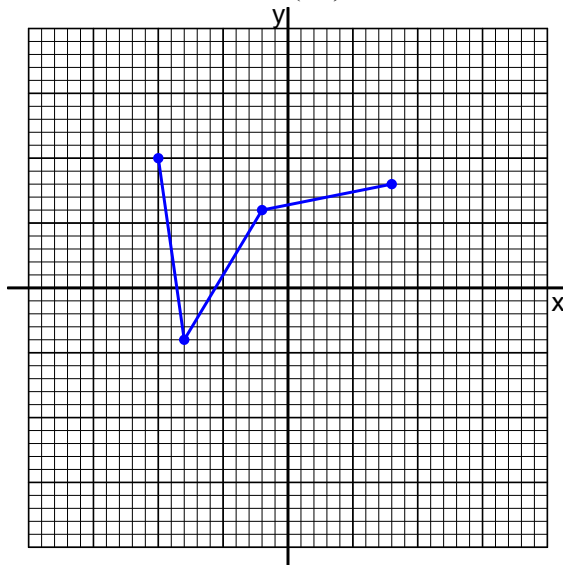


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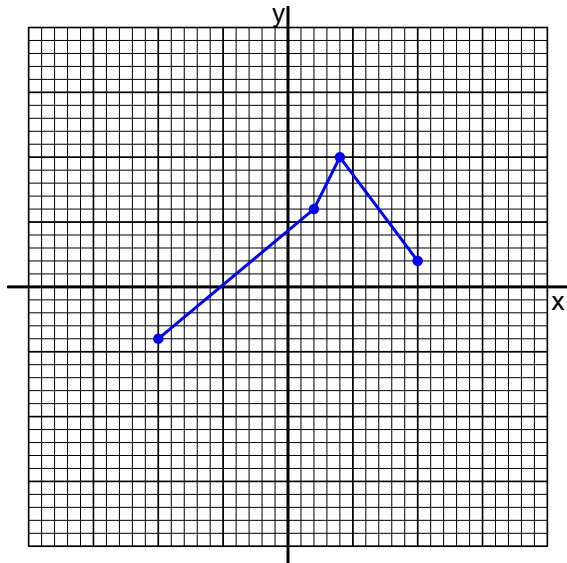
$$g(x) = f(x+2) - 2$$



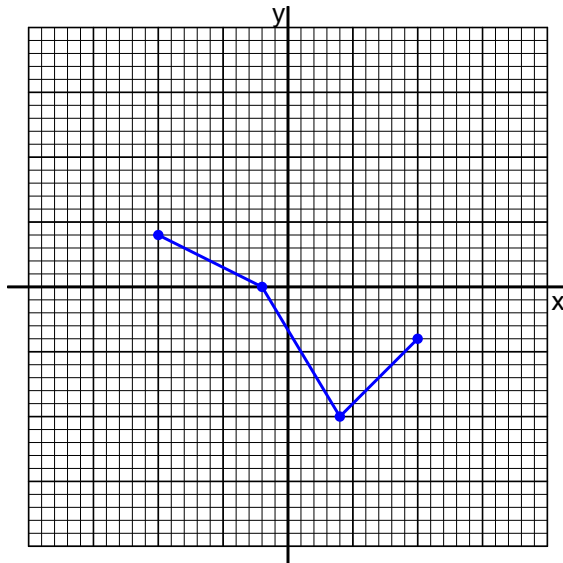
$$g(x) = f(2x) - 2$$



$$g(x) = \frac{f(x+2)}{2}$$

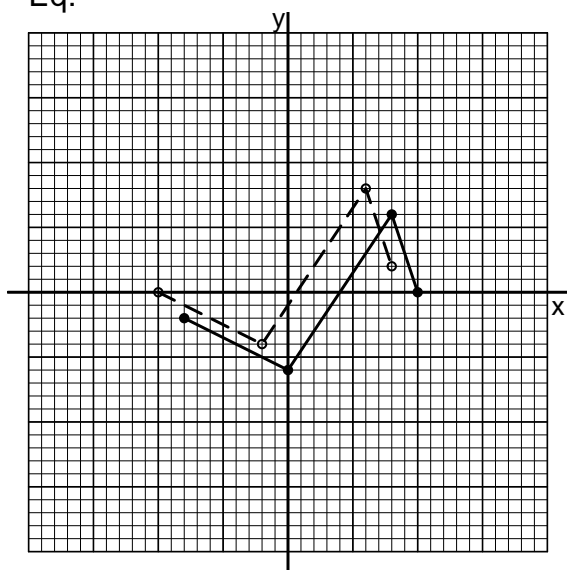


$$g(x) = \frac{f(x+2)}{2}$$

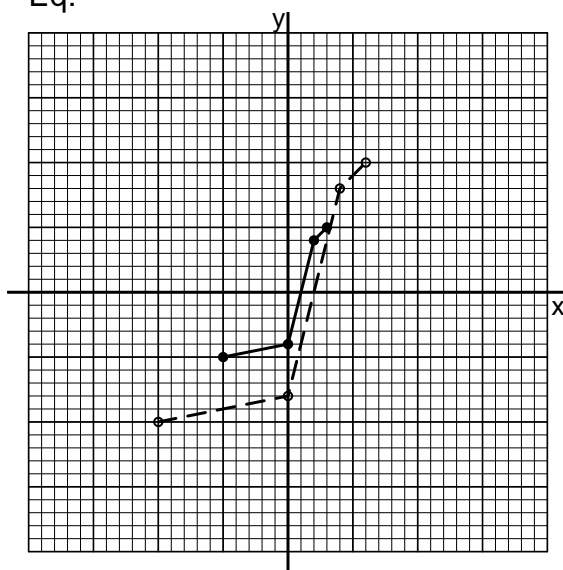


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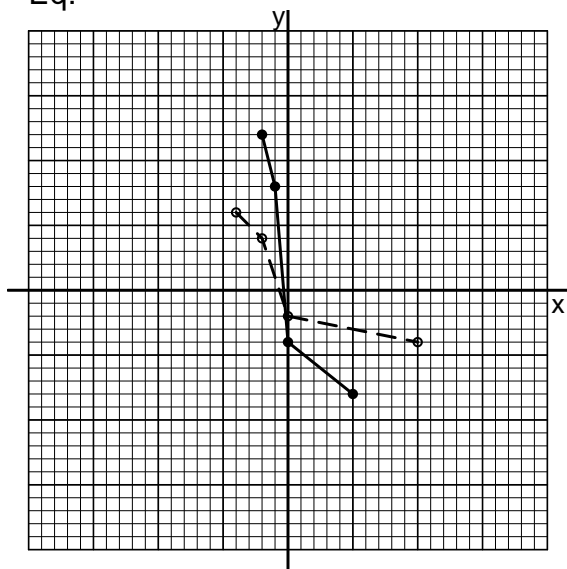
Eq:



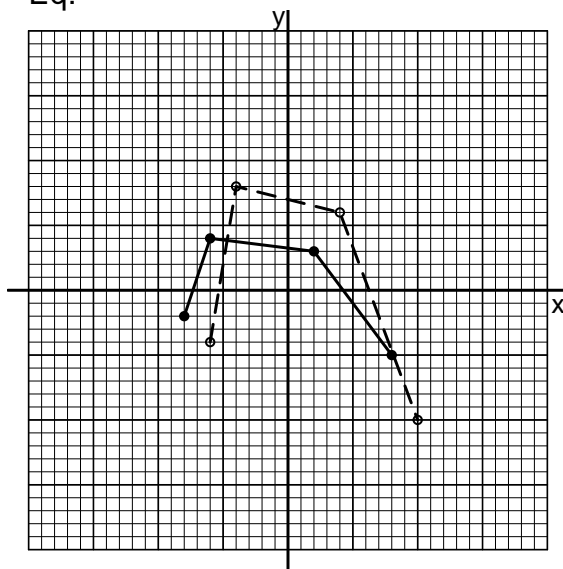
Eq:



Eq:



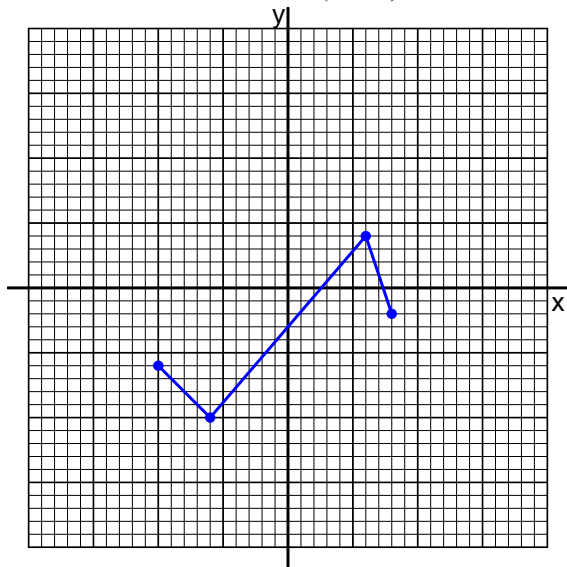
Eq:



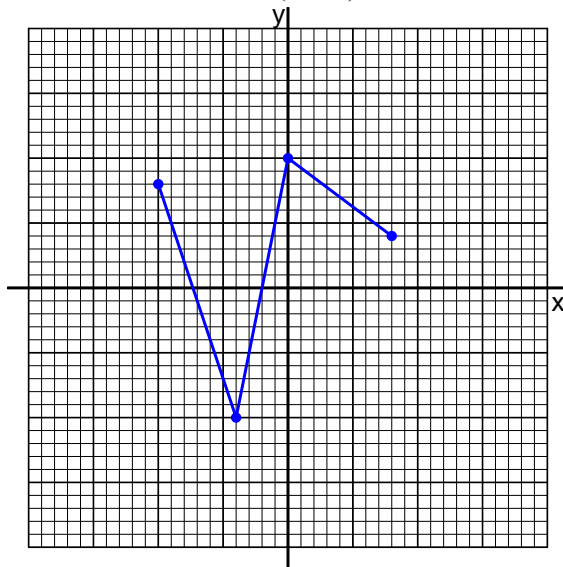


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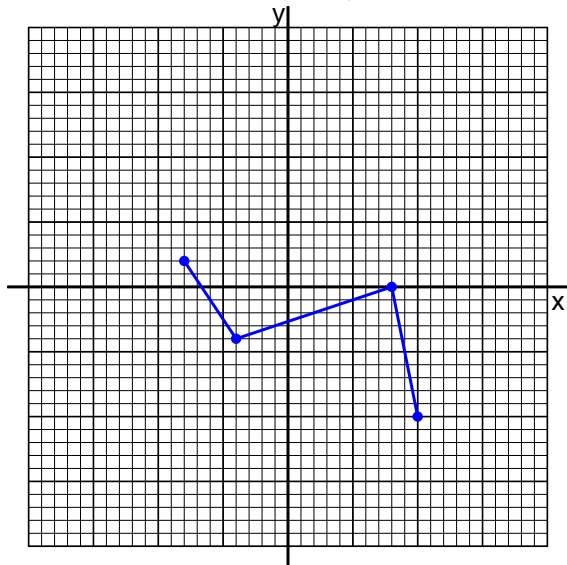
$$g(x) = 2 \cdot f(x+2)$$



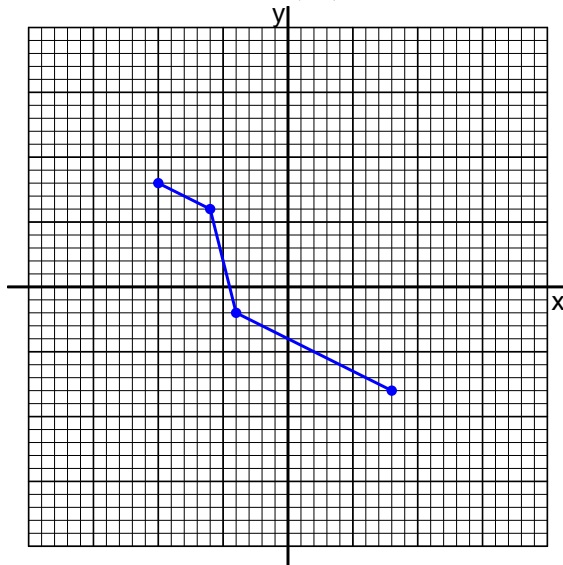
$$g(x) = f(x-2) - 2$$



$$g(x) = f(x-2) + 2$$

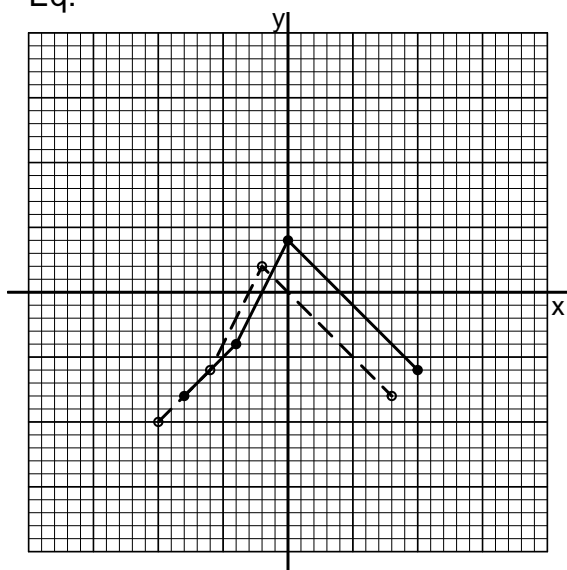


$$g(x) = f(2x) - 2$$

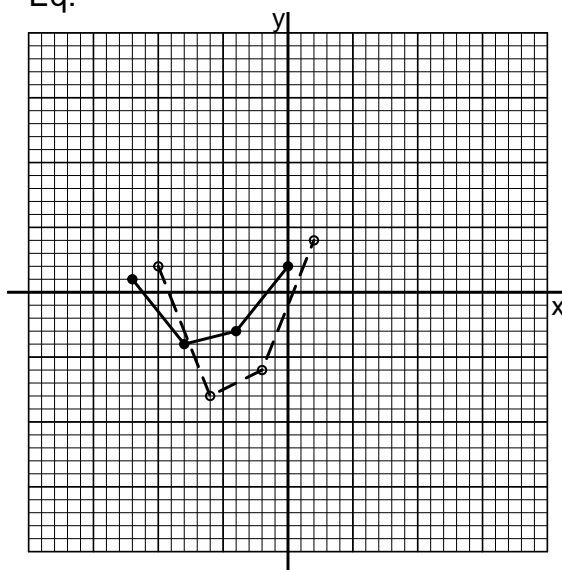


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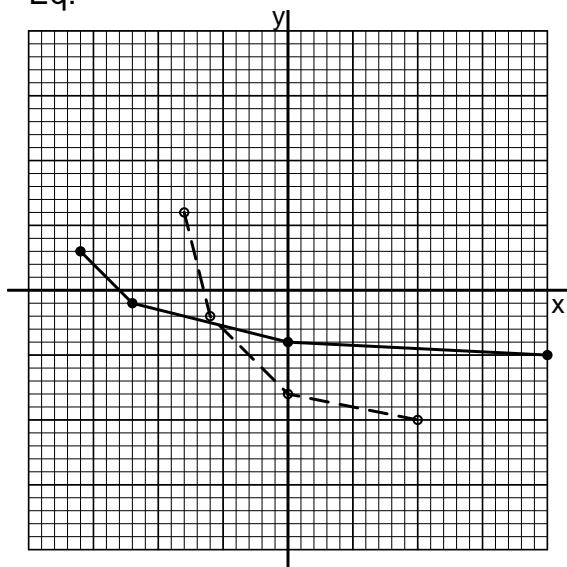
Eq:



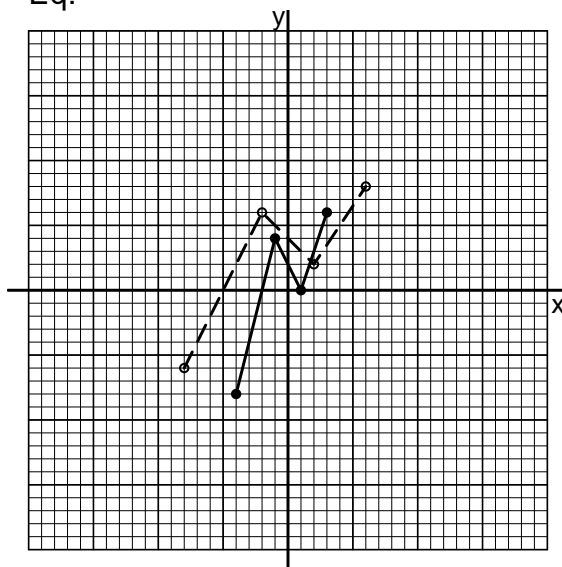
Eq:



Eq:

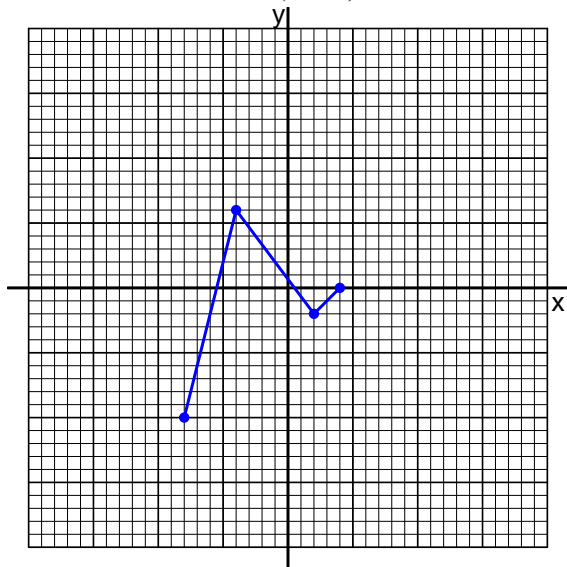


Eq:

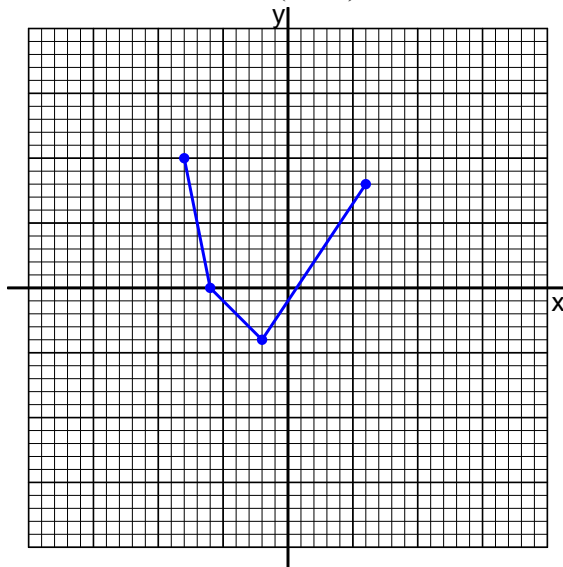


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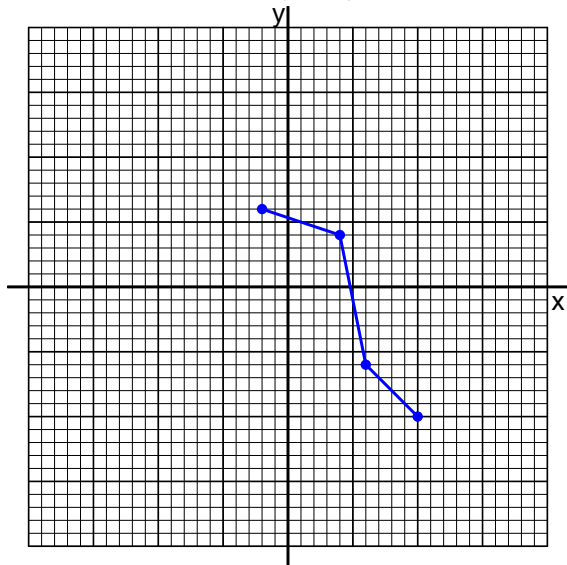
$$g(x) = f(x+2) + 2$$



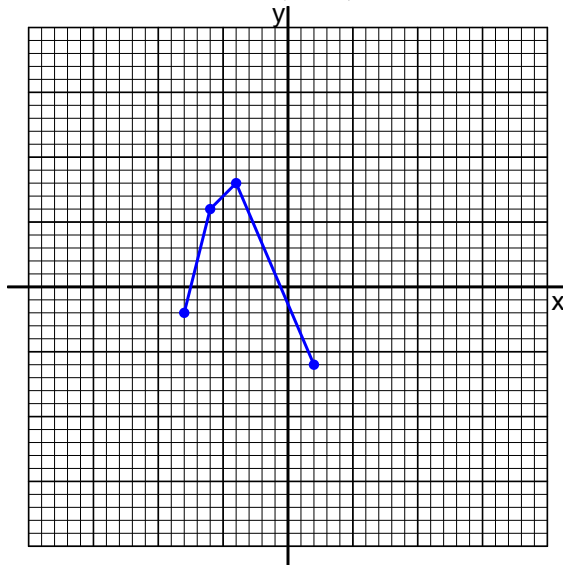
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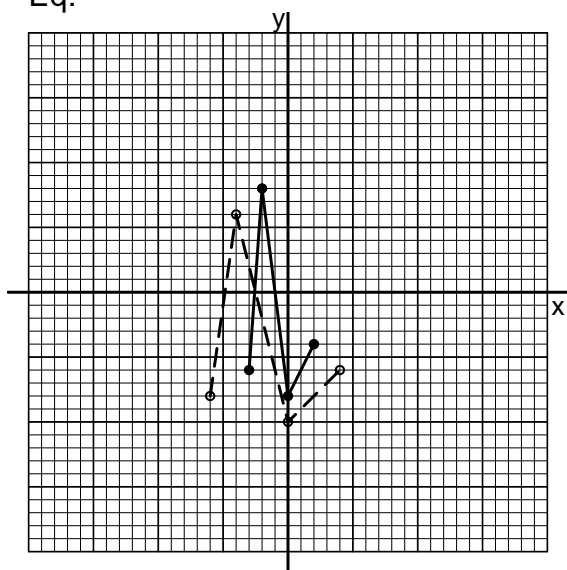


$$g(x) = f(x-2) - 2$$

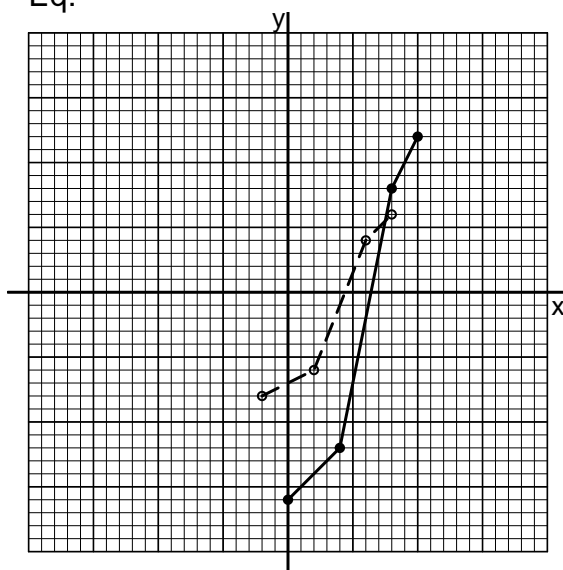


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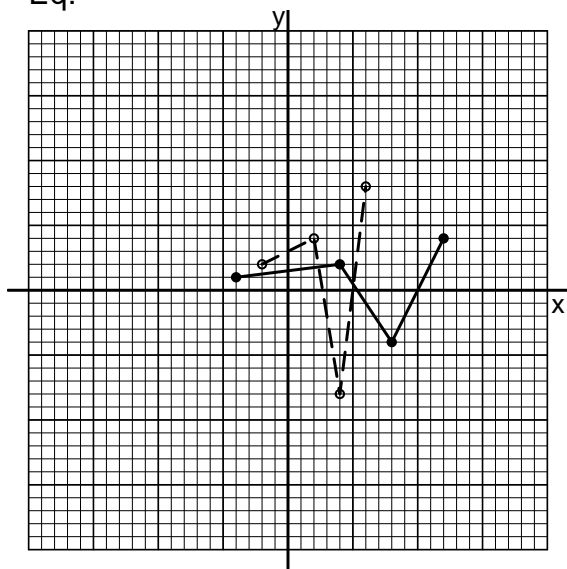
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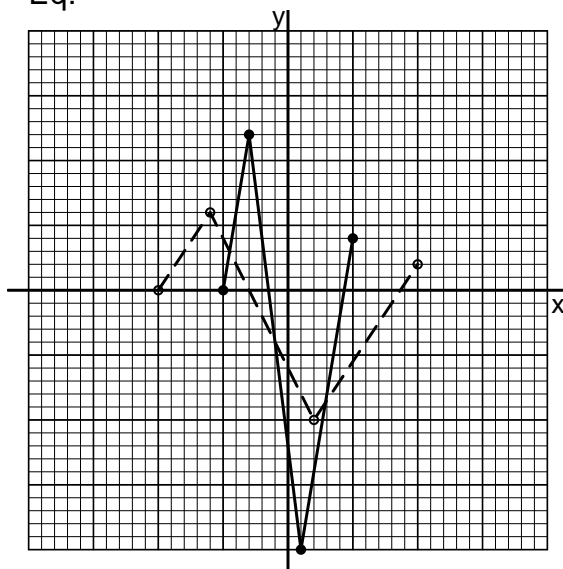
Eq:



Eq:

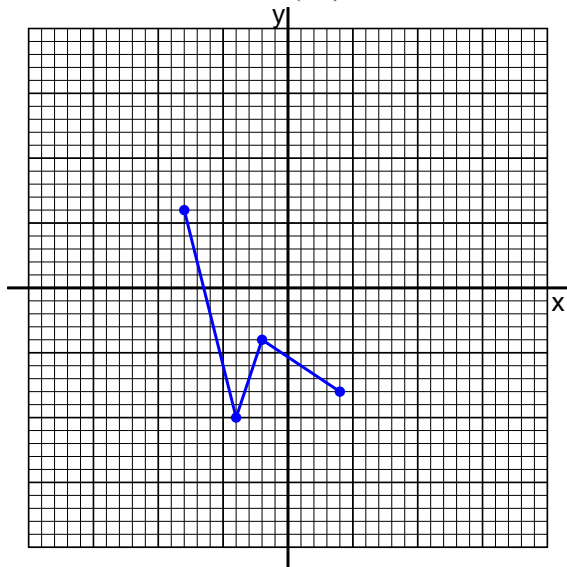


Eq:

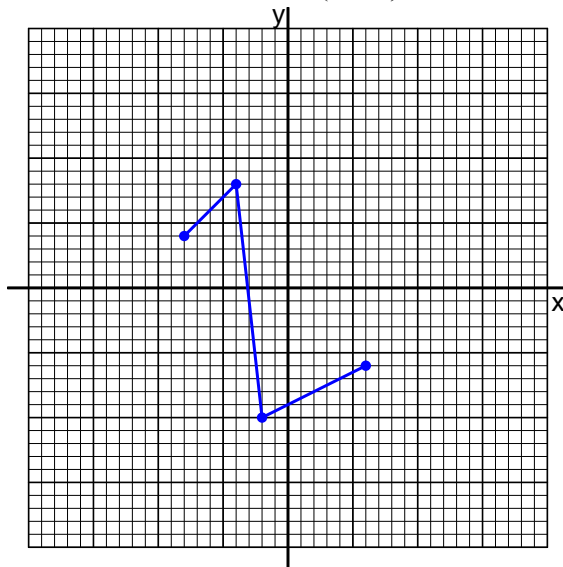


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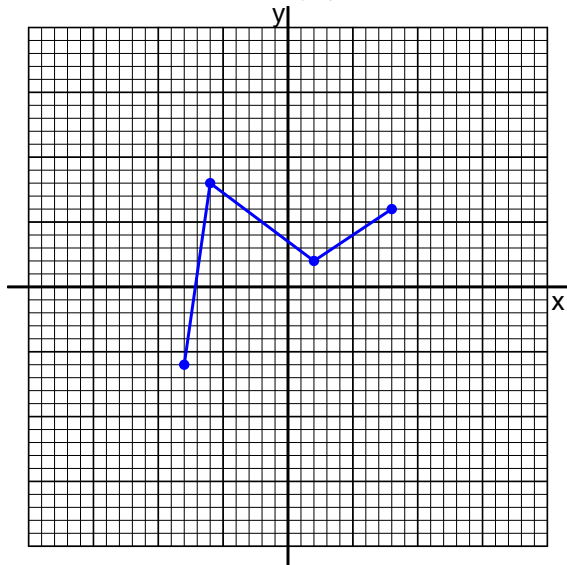
$$g(x) = f(2x) - 2$$



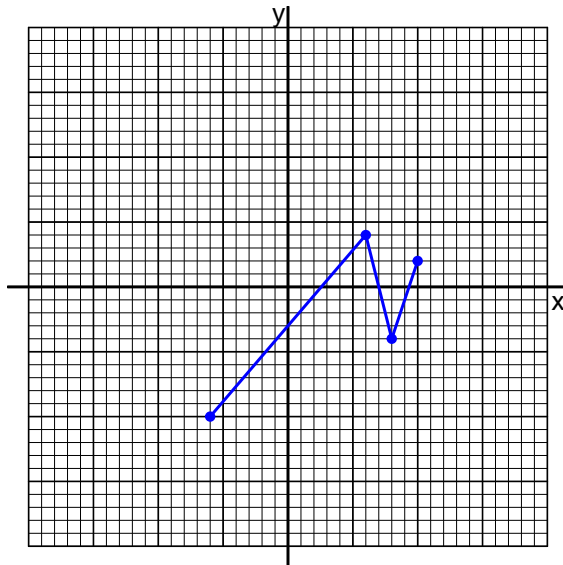
$$g(x) = 2 \cdot f(x+2)$$



$$g(x) = f\left(\frac{x}{2}\right) + 2$$

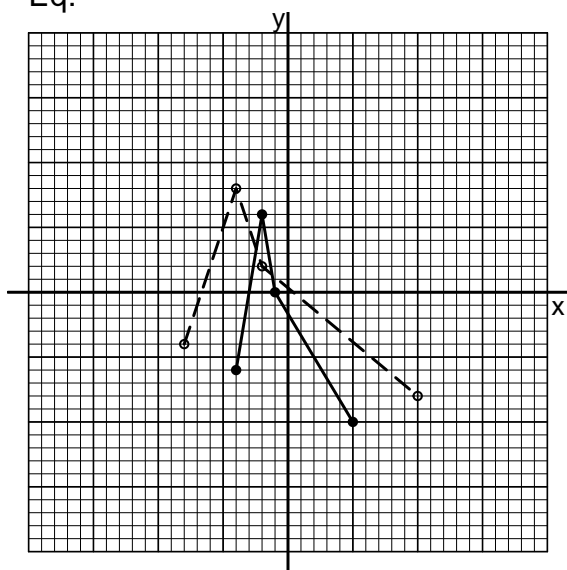


$$g(x) = \frac{f\left(\frac{x}{2}\right)}{2}$$

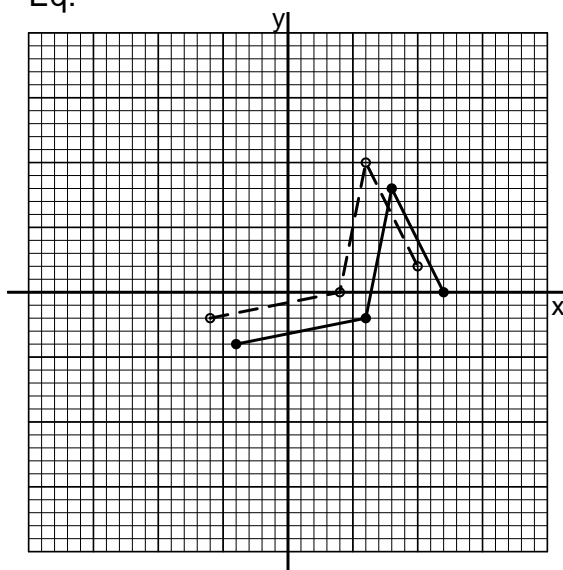


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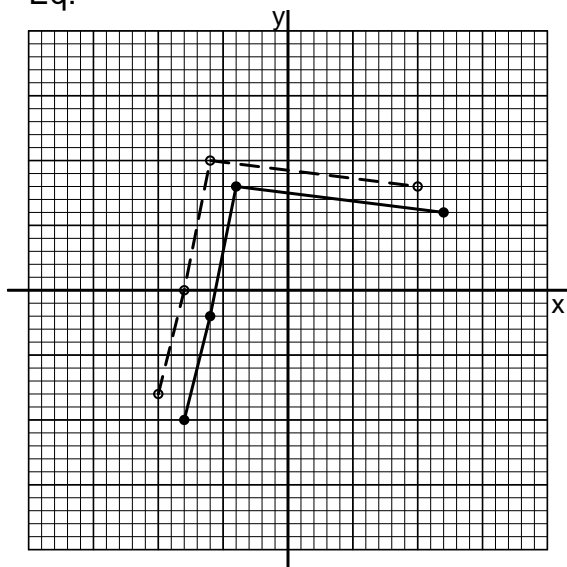
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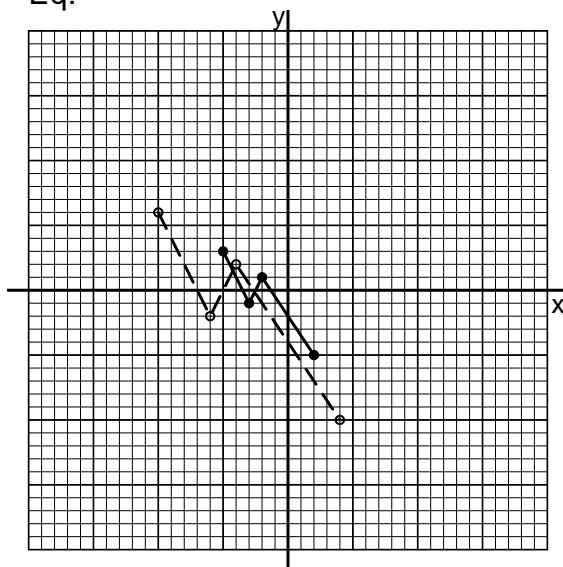
Eq:



Eq:

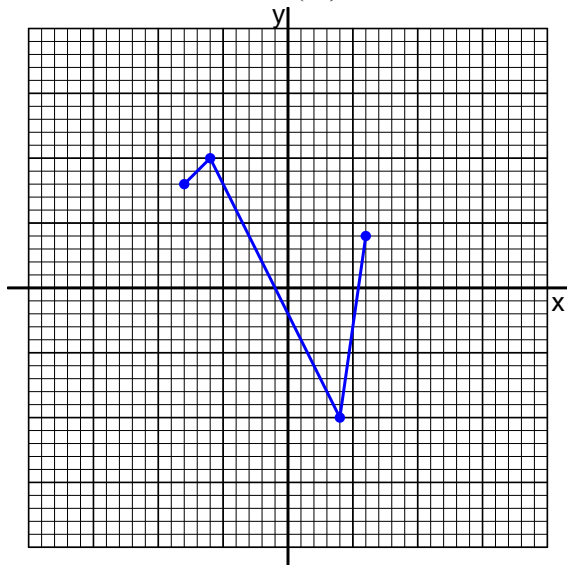


Eq:

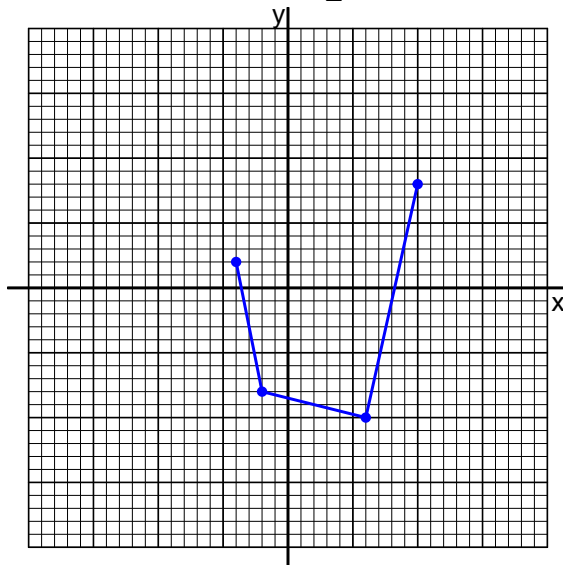


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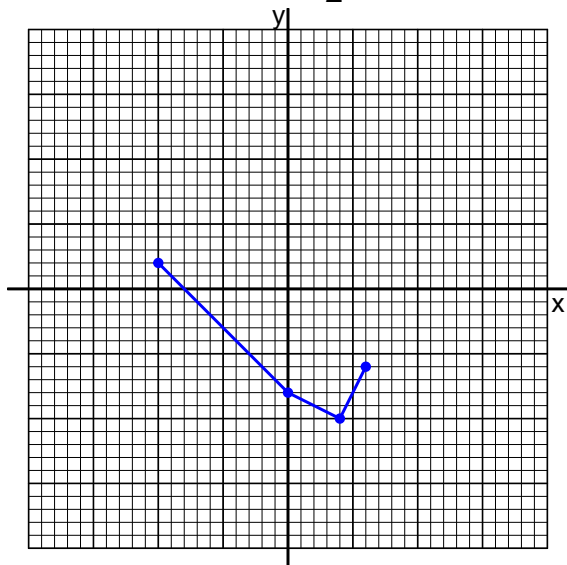
$$g(x) = f\left(\frac{x}{2}\right) - 2$$



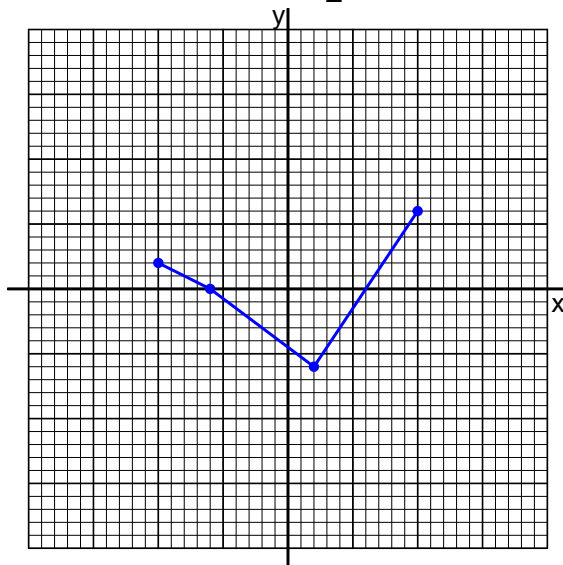
$$g(x) = \frac{f(x-2)}{2}$$



$$g(x) = \frac{f(2x)}{2}$$

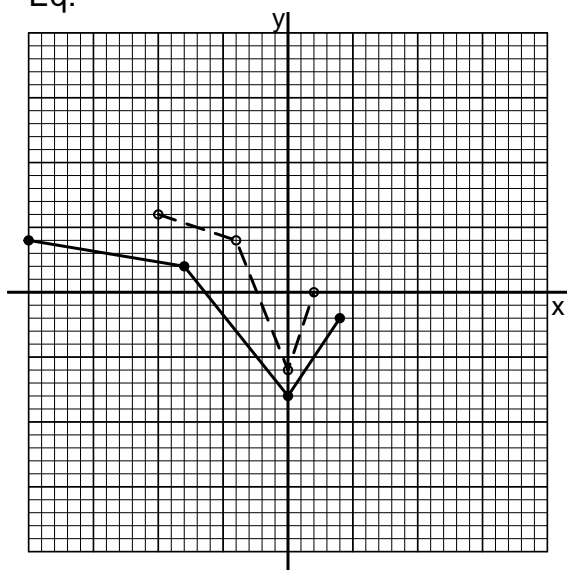


$$g(x) = \frac{f(x+2)}{2}$$

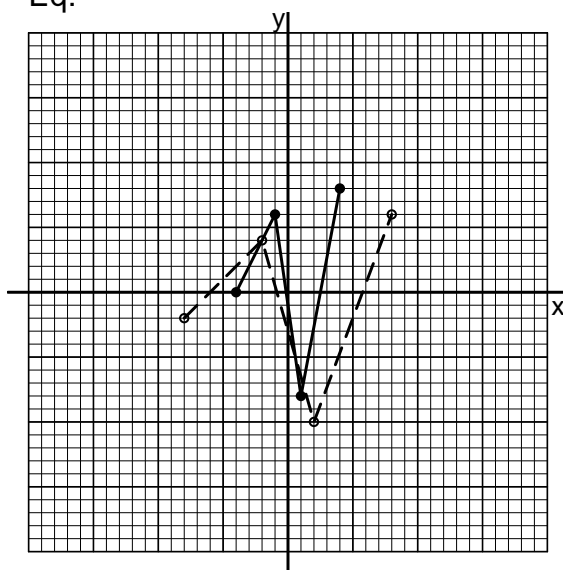


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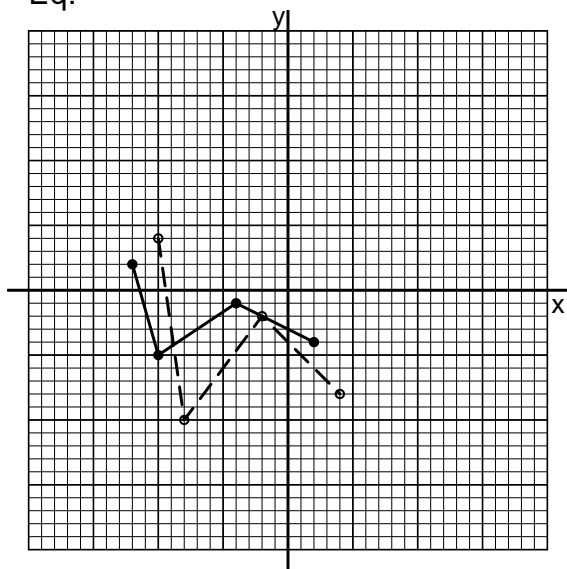
Eq:



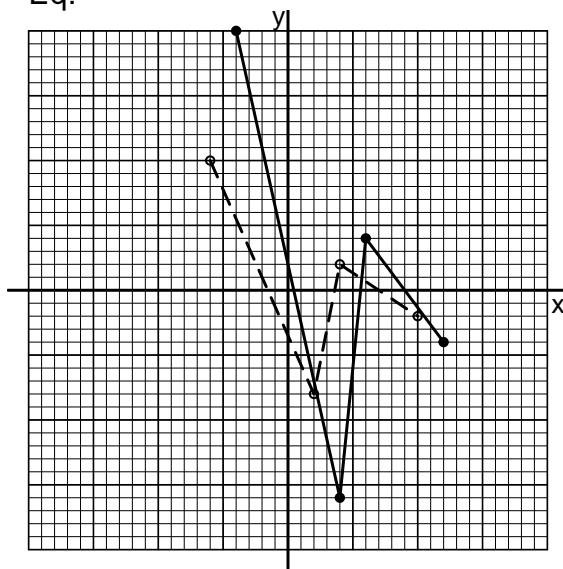
Eq:



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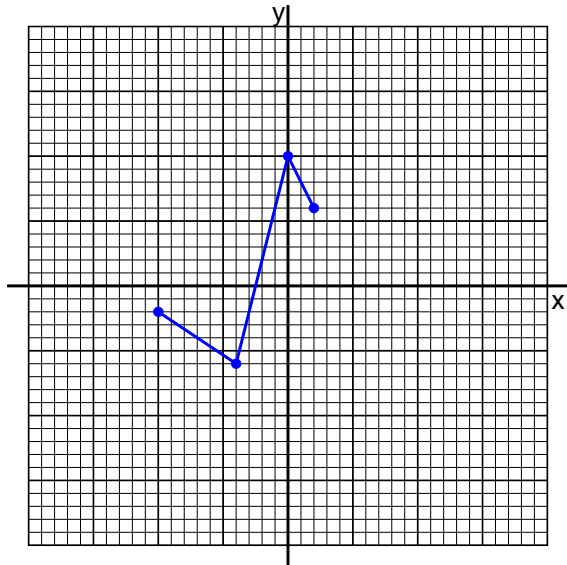
Eq:



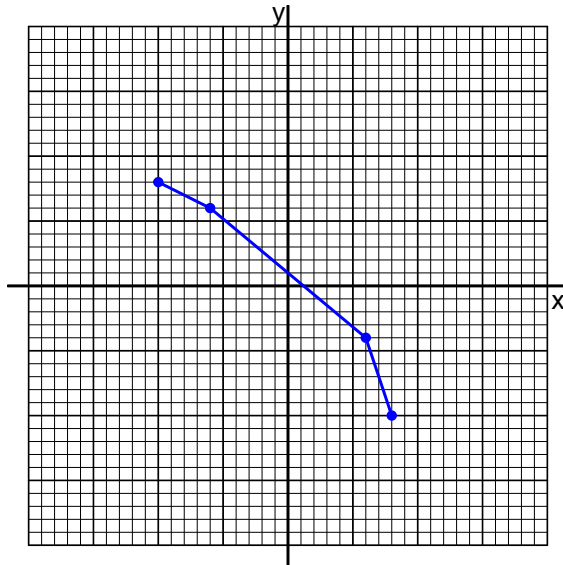


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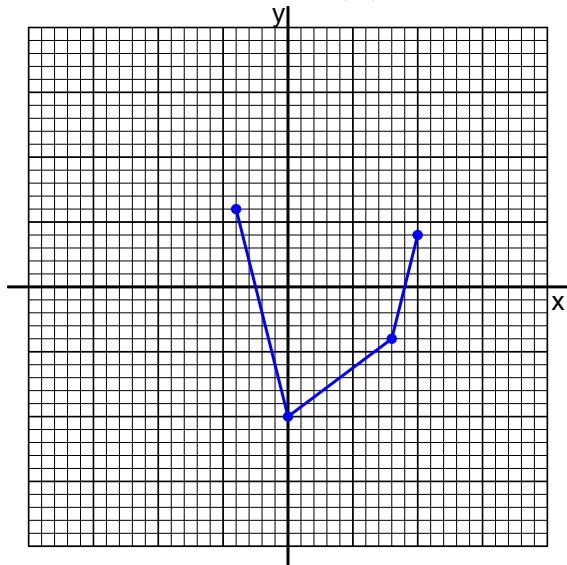
$$g(x) = f\left(\frac{x}{2}\right) - 2$$



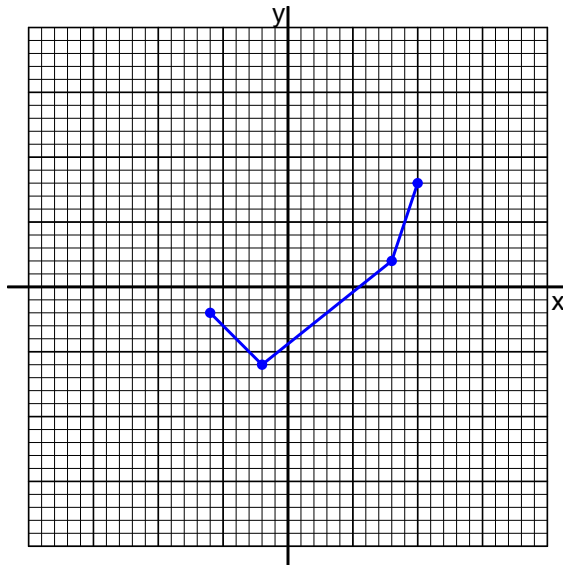
$$g(x) = f(2x) - 2$$



$$g(x) = 2 \cdot f\left(\frac{x}{2}\right)$$

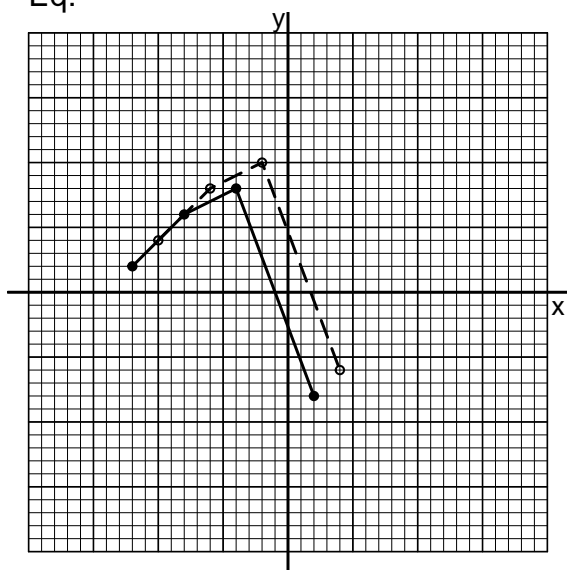


$$g(x) = \frac{f\left(\frac{x}{2}\right)}{2}$$

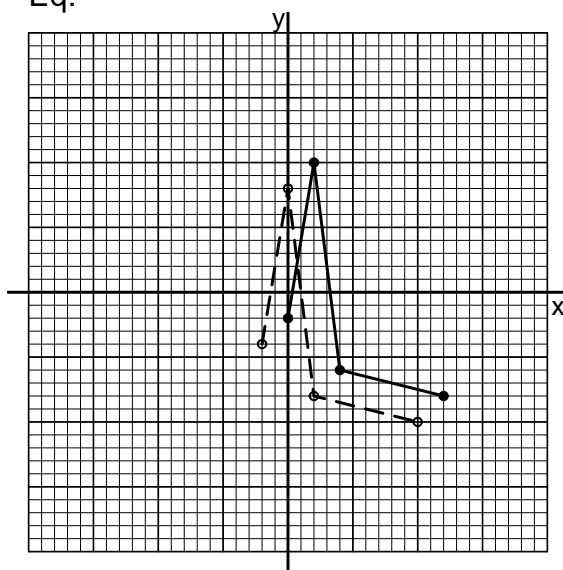


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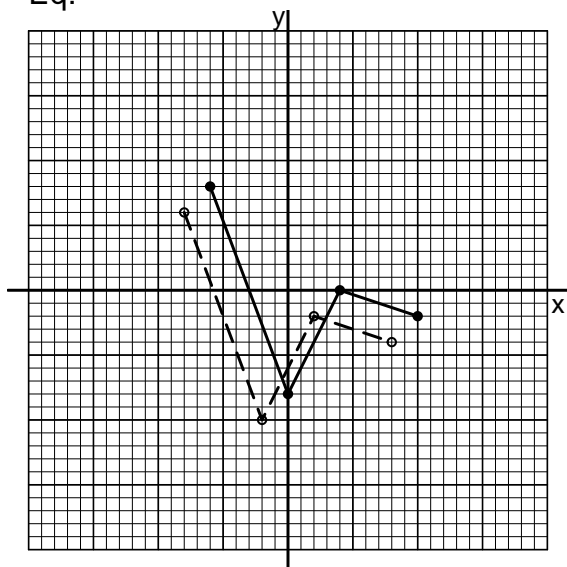
Eq:



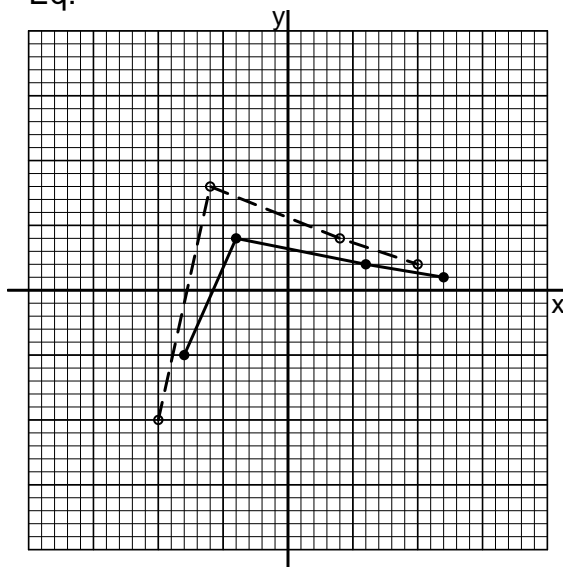
Eq:



Eq:

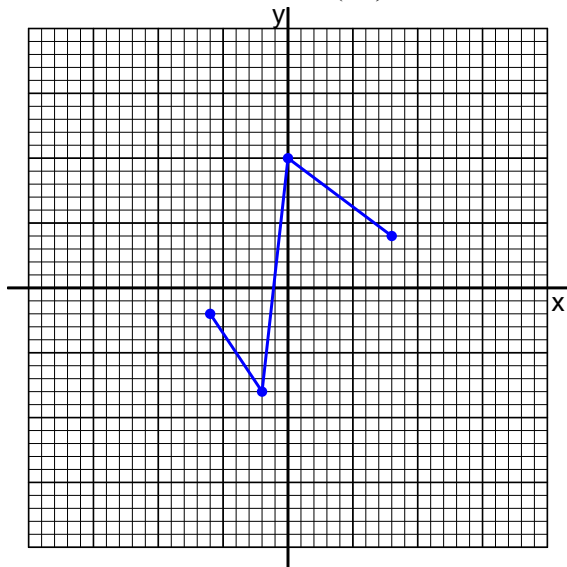


Eq:

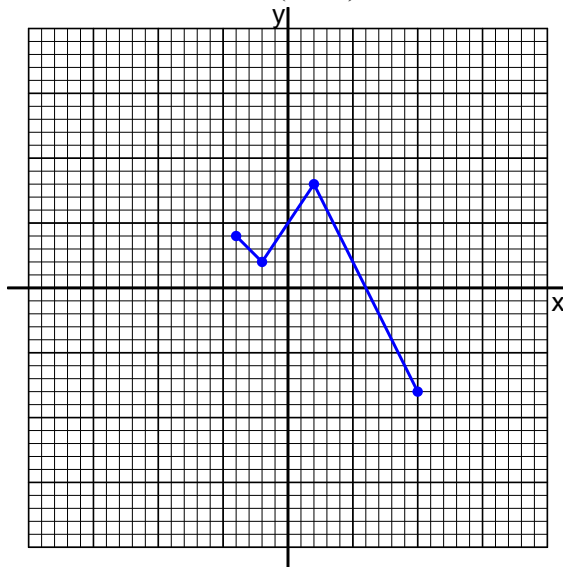


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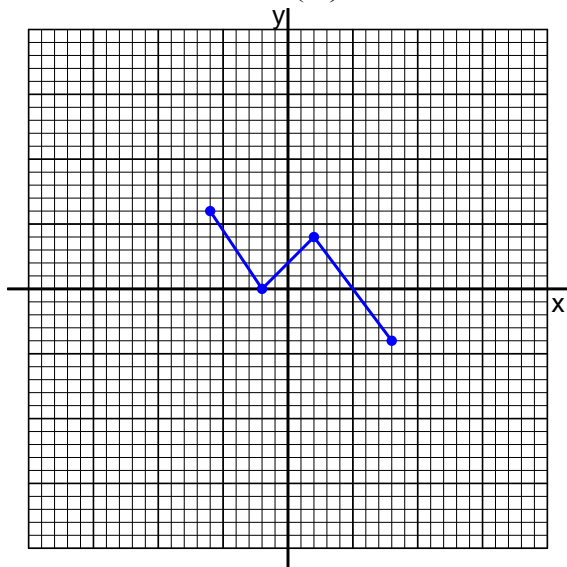
$$g(x) = 2 \cdot f(2x)$$



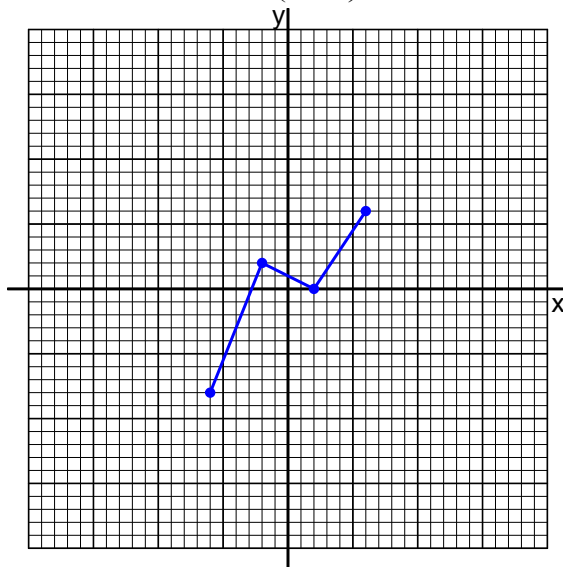
$$g(x) = f(x+2) - 2$$



$$g(x) = f\left(\frac{x}{2}\right) - 2$$

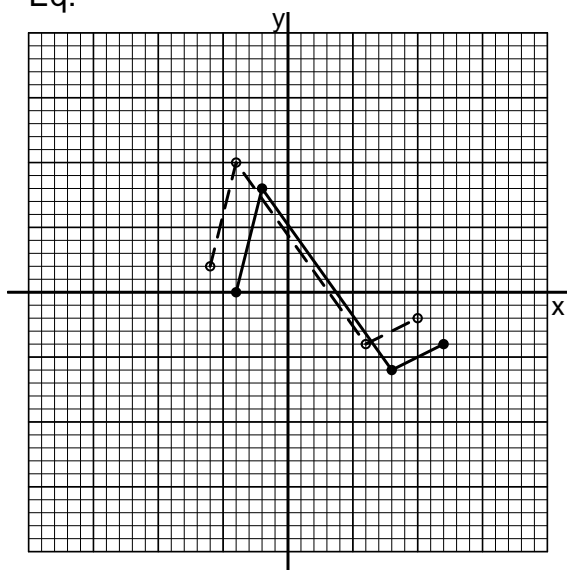


$$g(x) = f(x-2) + 2$$

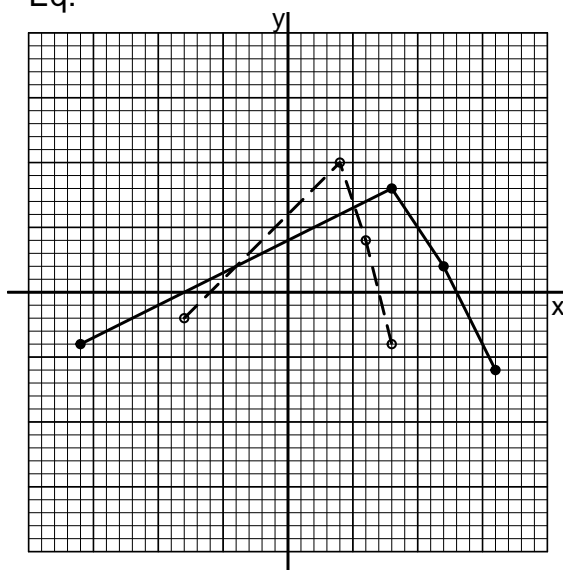


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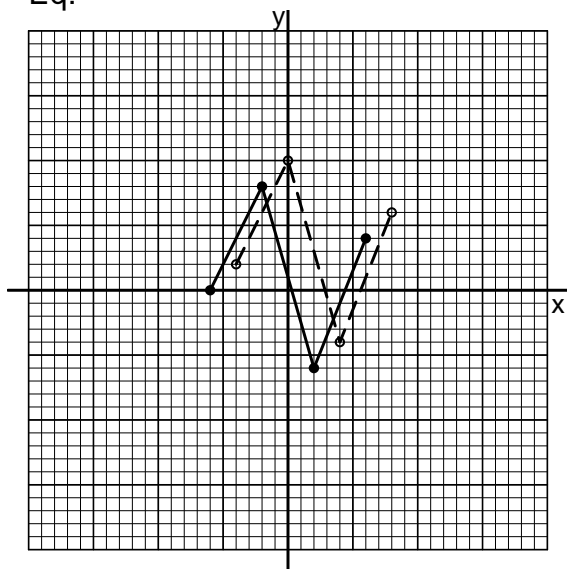
Eq:



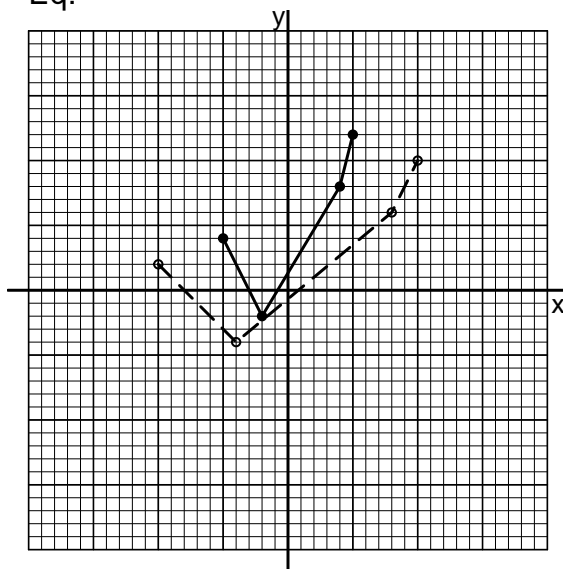
Eq:



Eq:

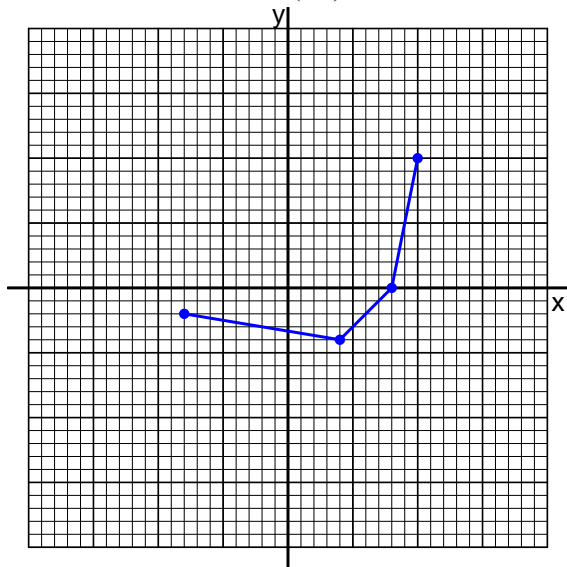


Eq:

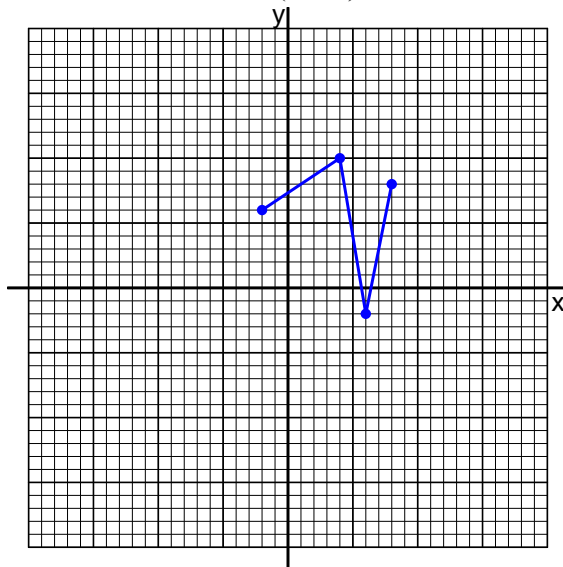


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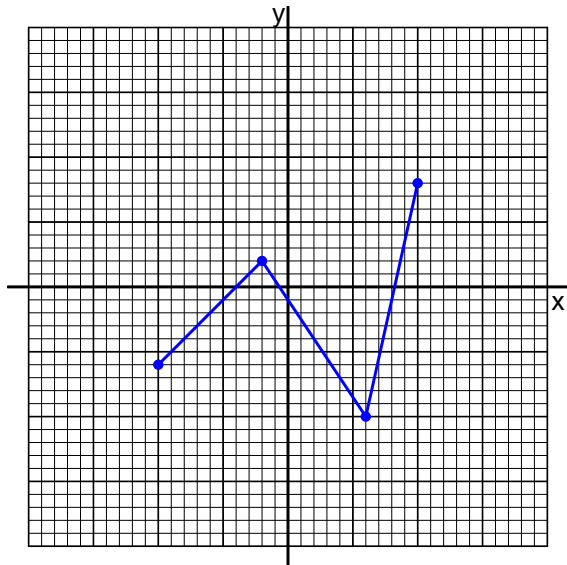
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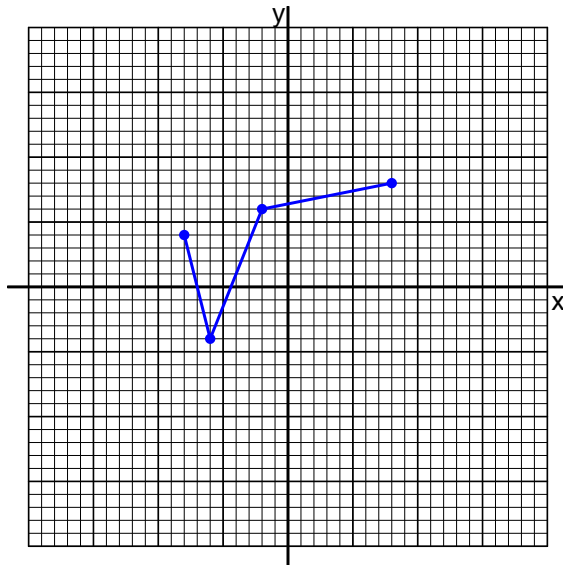
$$g(x) = f(x - 2) + 2$$



$$g(x) = \frac{f(2x)}{2}$$

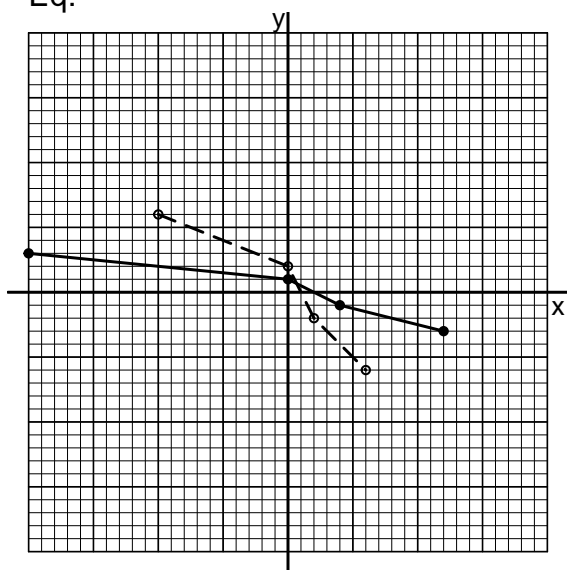


$$g(x) = \frac{f\left(\frac{x}{2}\right)}{2}$$

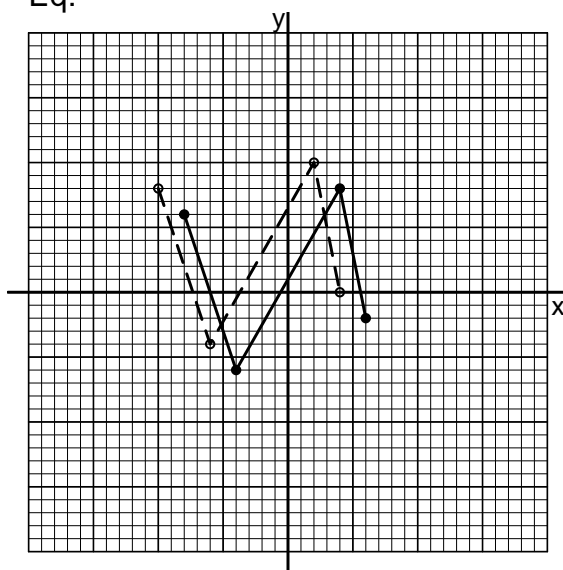


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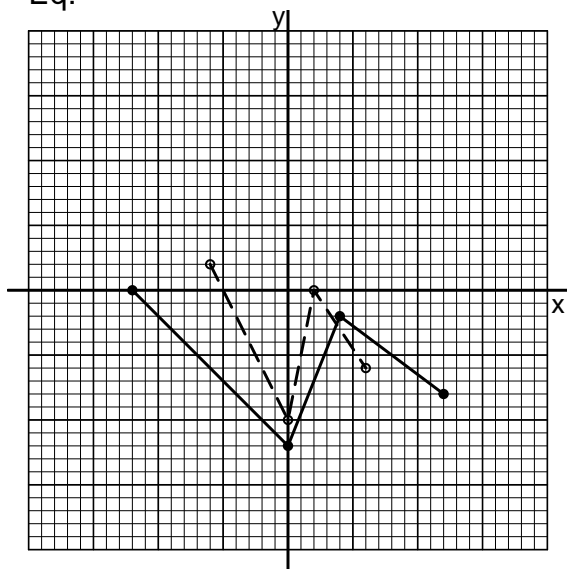
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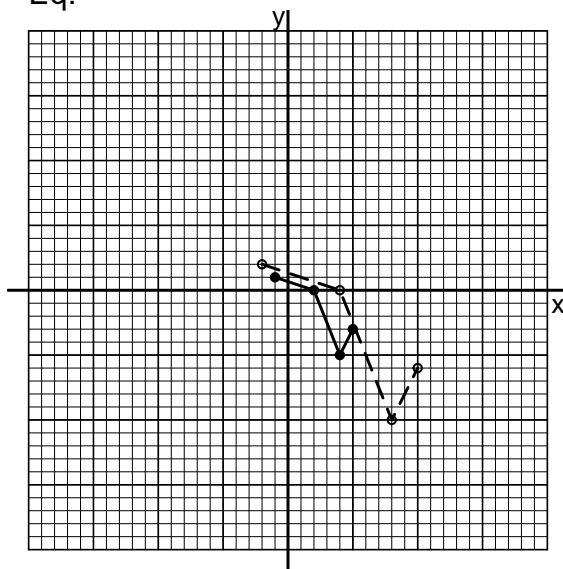
Eq:



Eq:

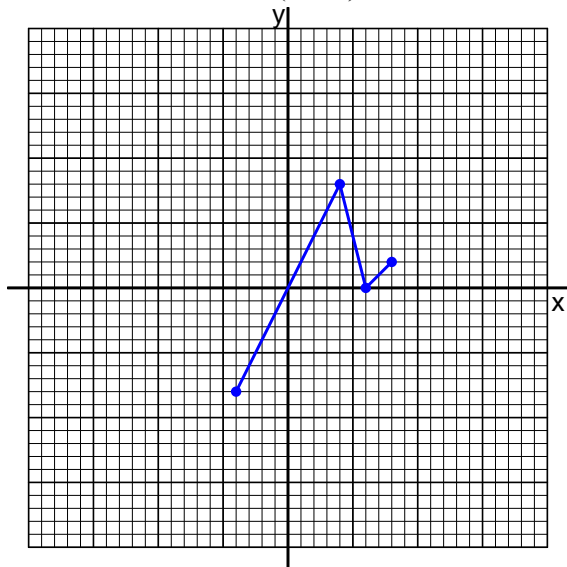


Eq:

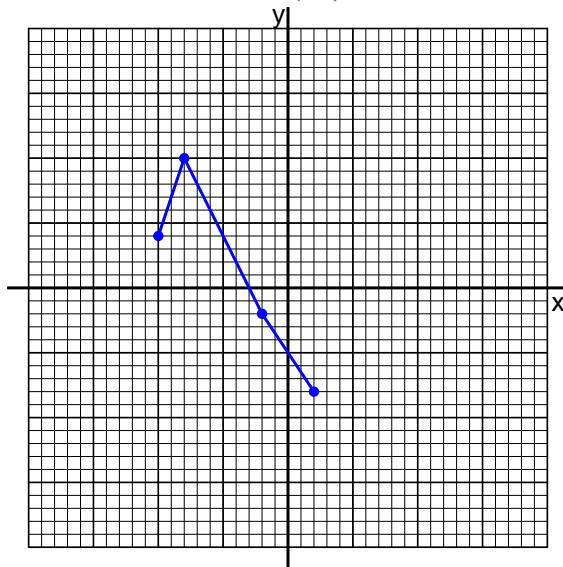


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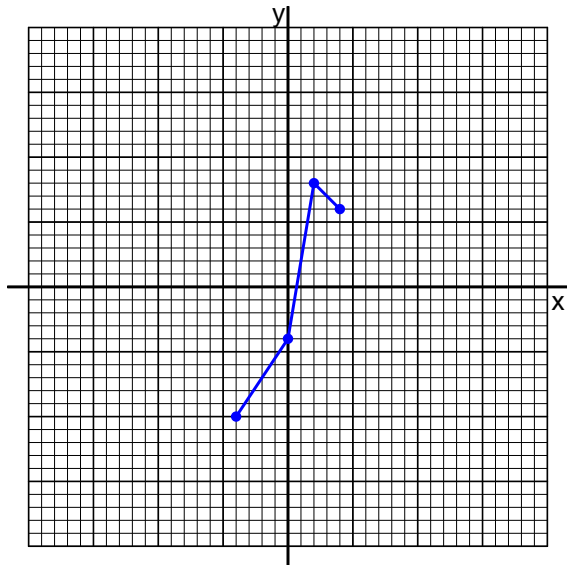
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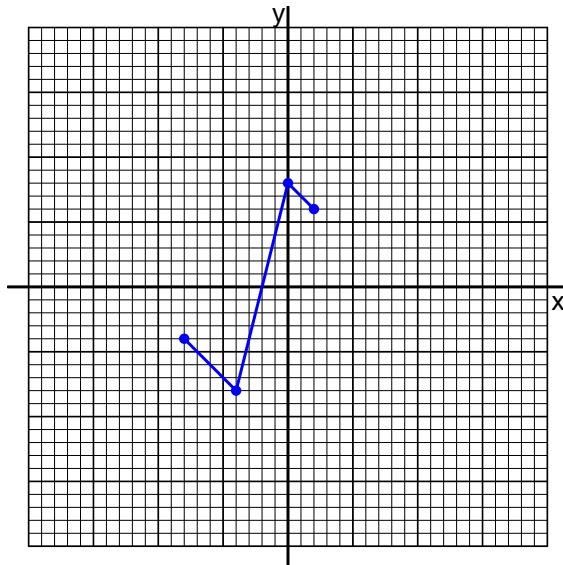
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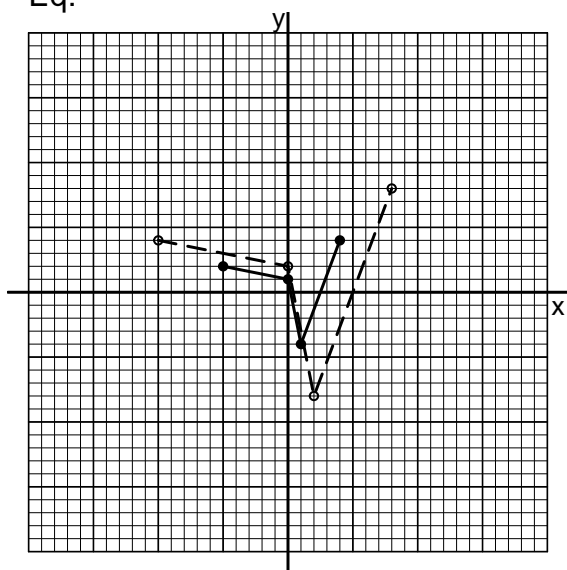


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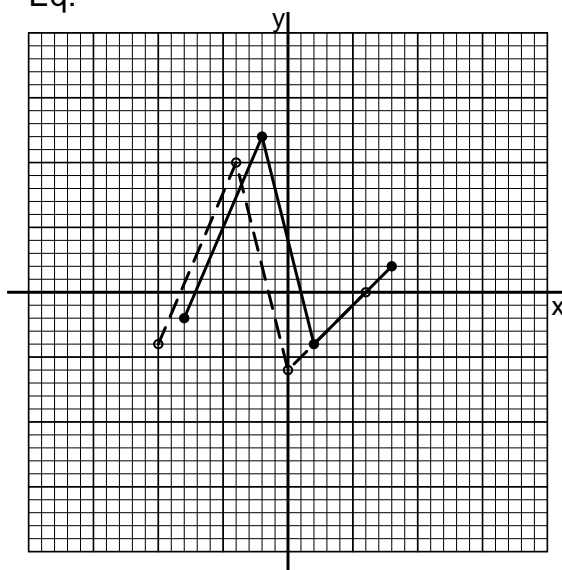


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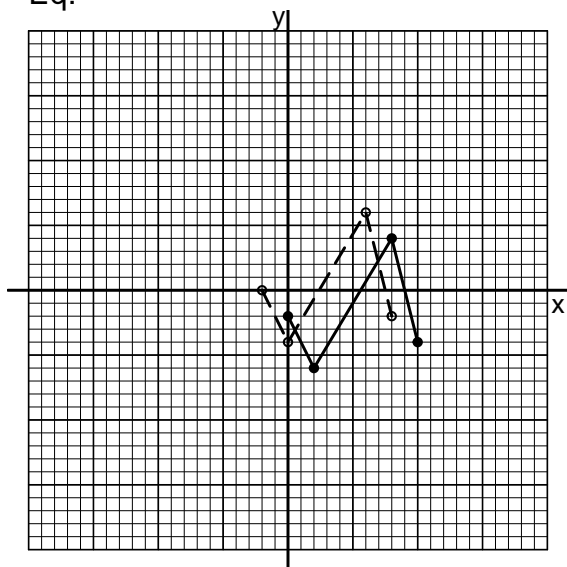
Eq:



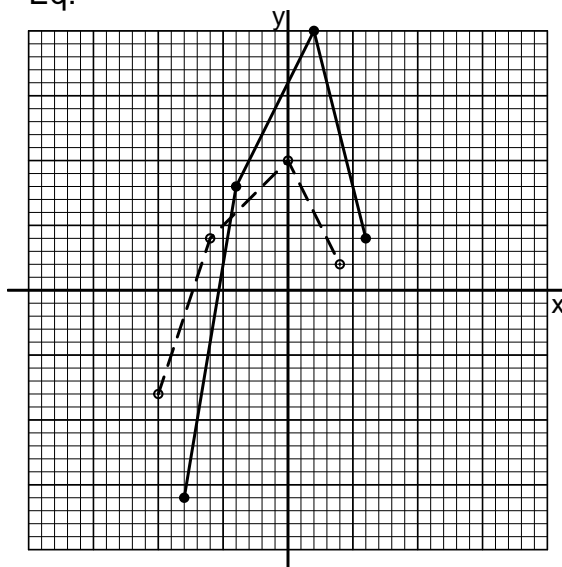
Eq:



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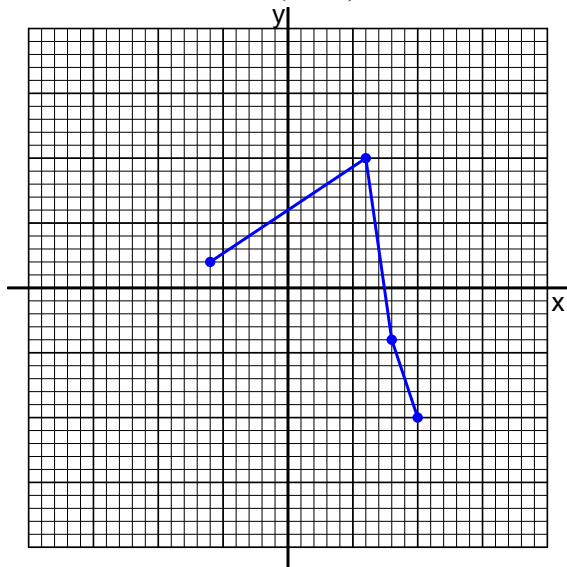
Eq:



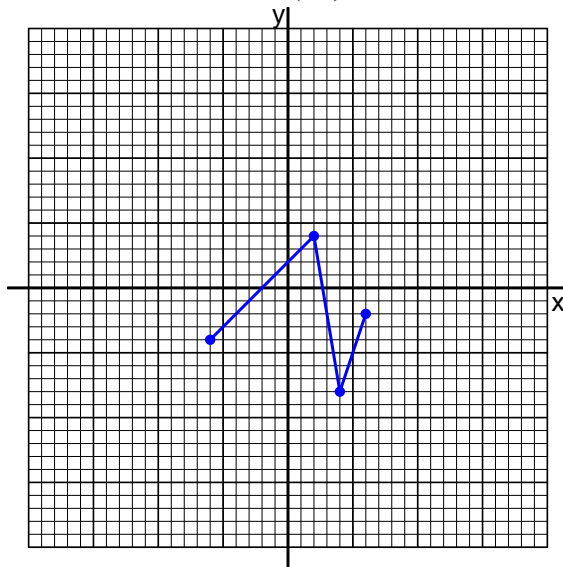


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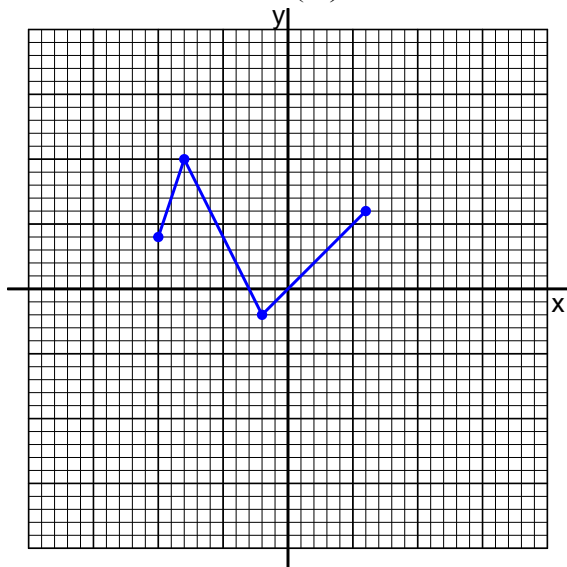
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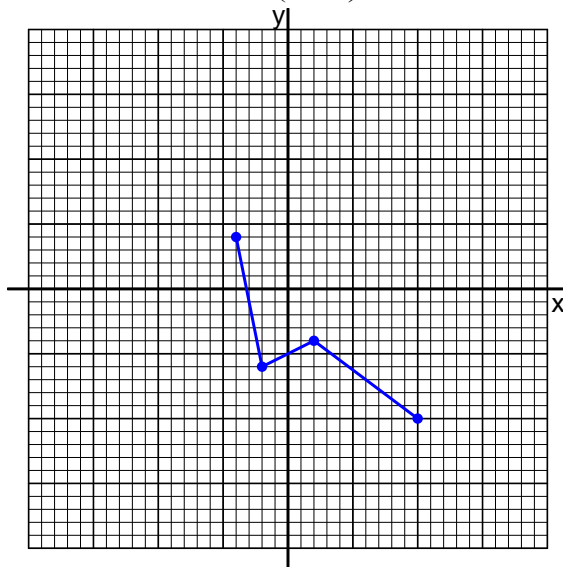
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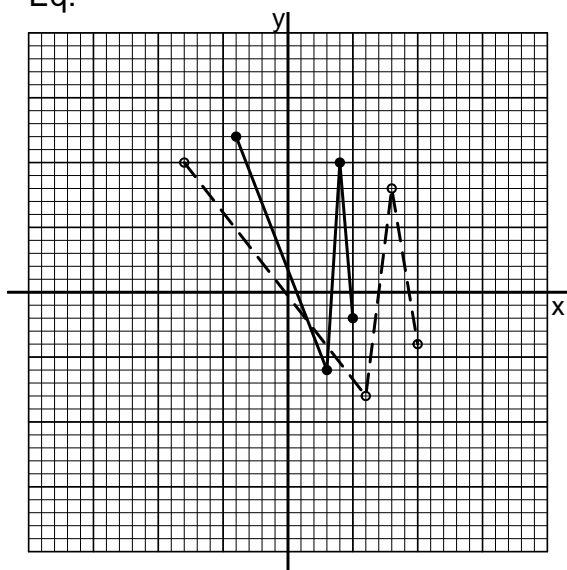


$$g(x) = f(x-2) - 2$$

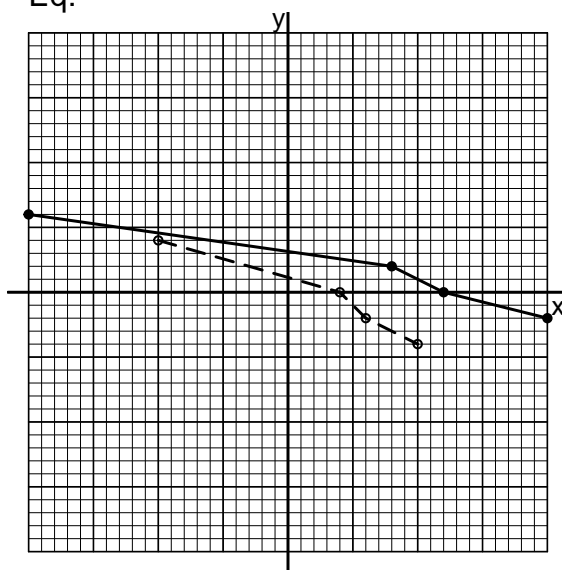


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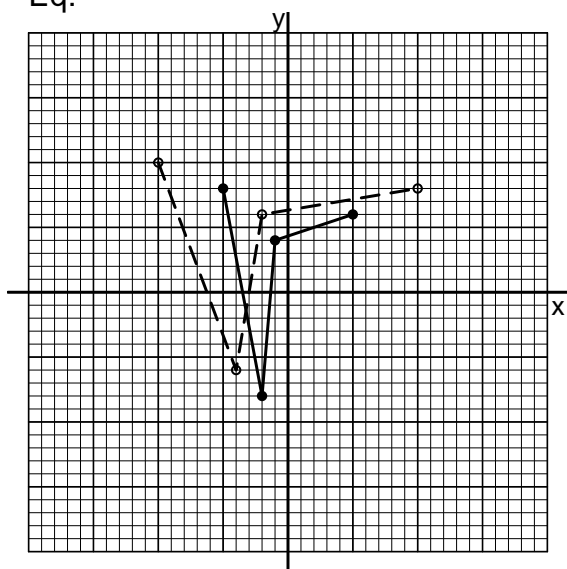
Eq:



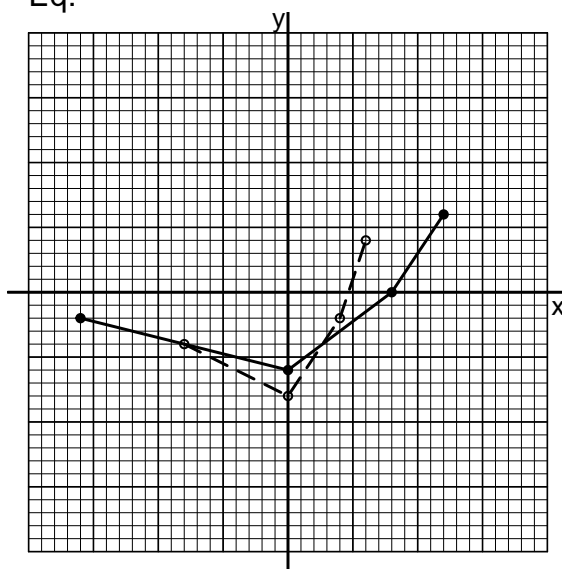
Eq:



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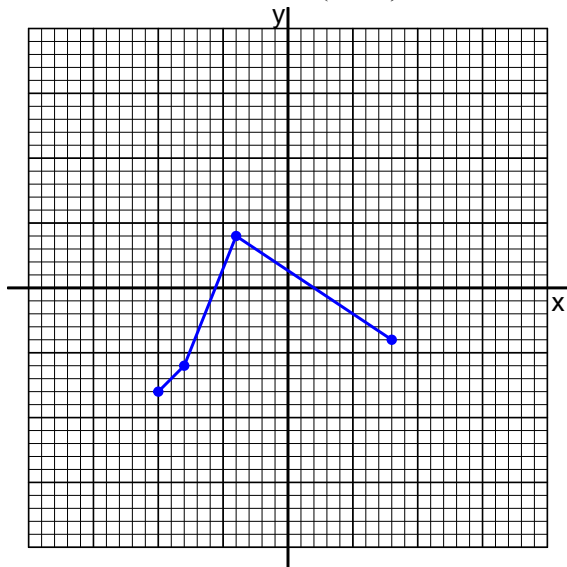


Eq:

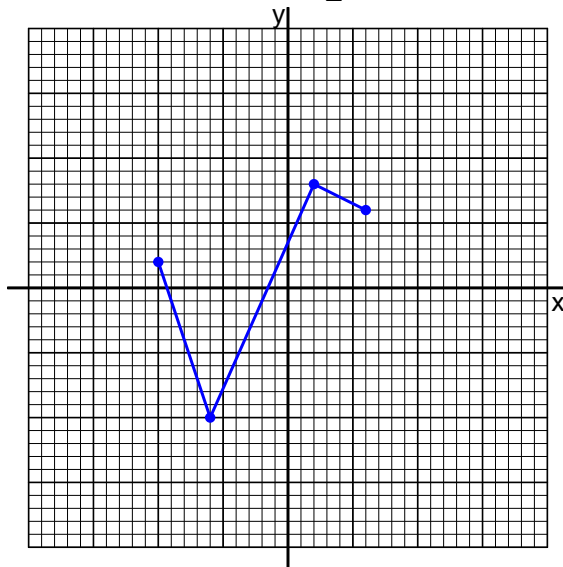


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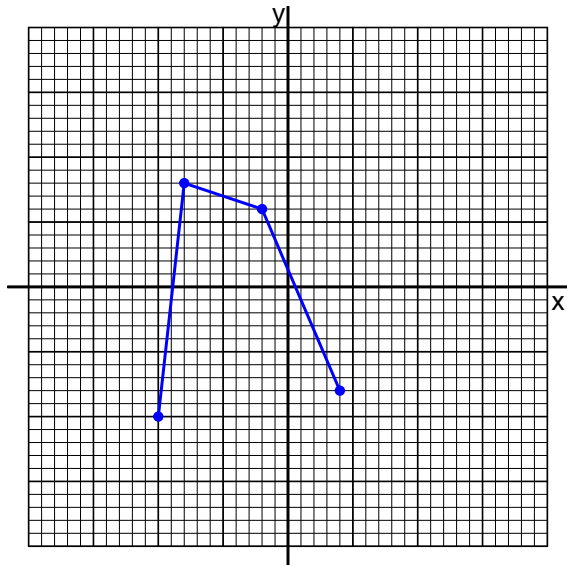
$$g(x) = 2 \cdot f(x+2)$$



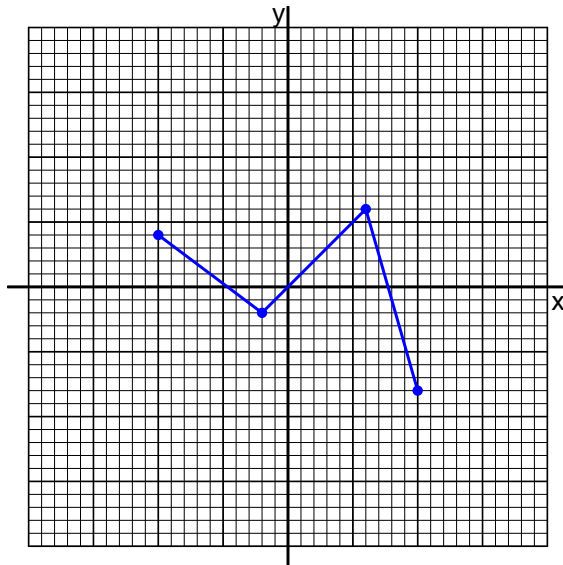
$$g(x) = \frac{f\left(\frac{x}{2}\right)}{2}$$



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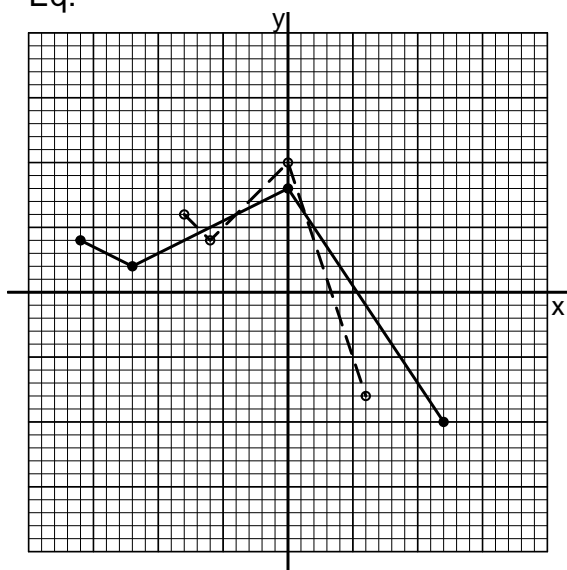


$$g(x) = \frac{f(x-2)}{2}$$

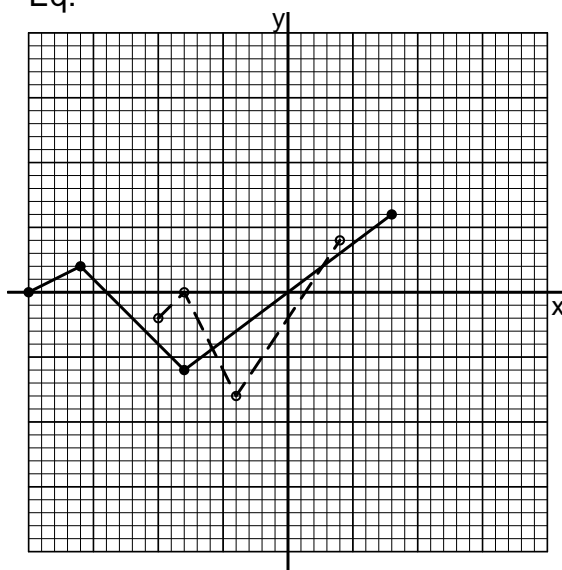


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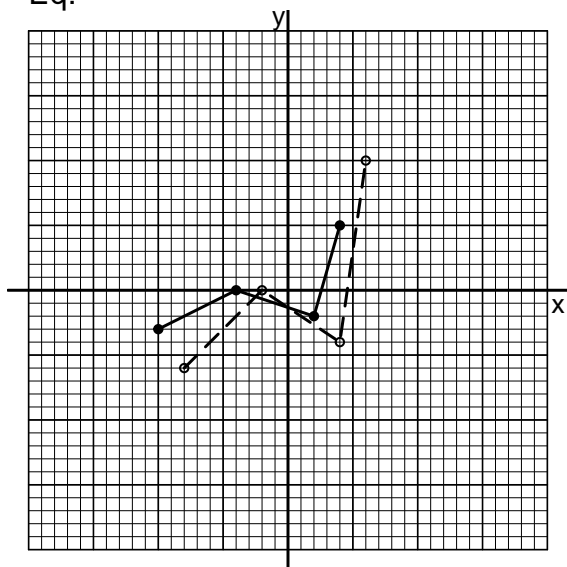
Eq:



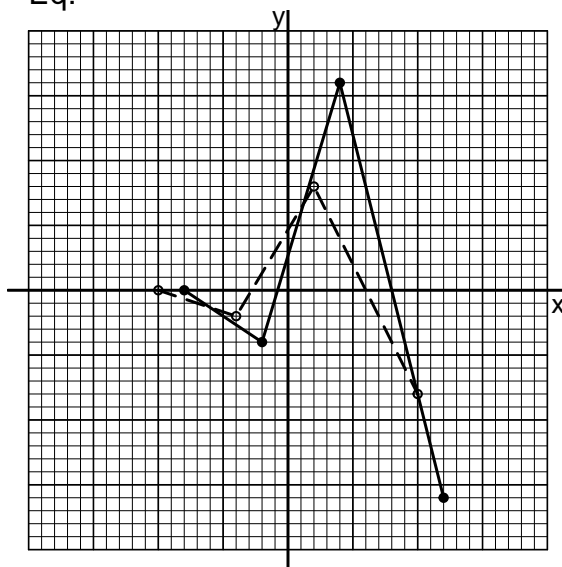
Eq:



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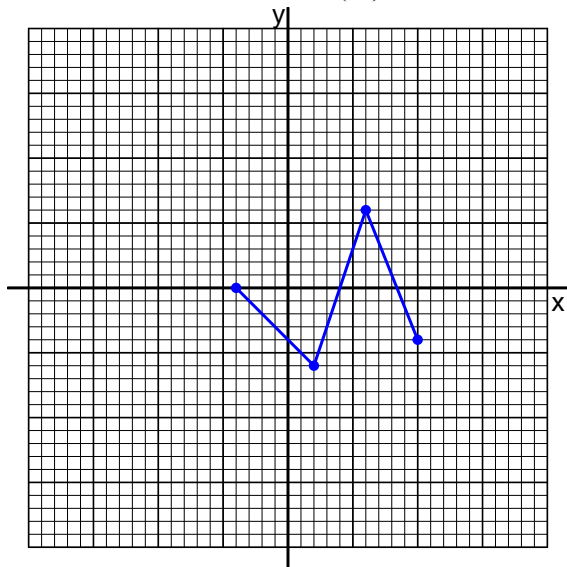


Eq:

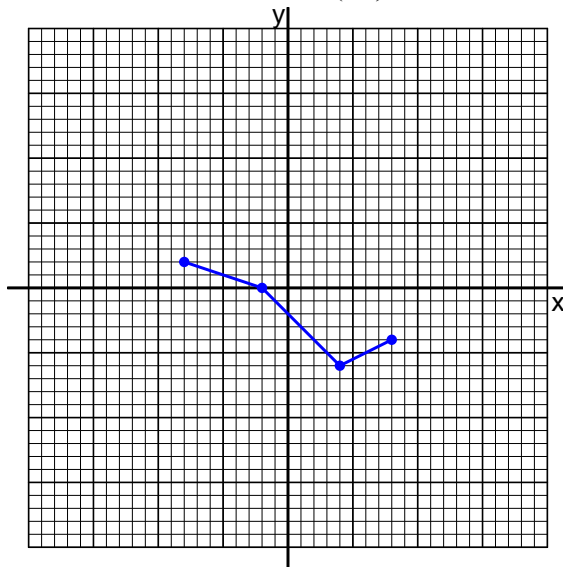


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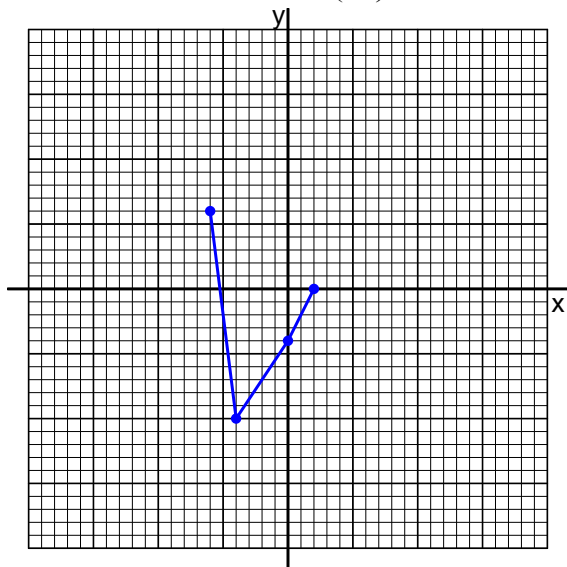
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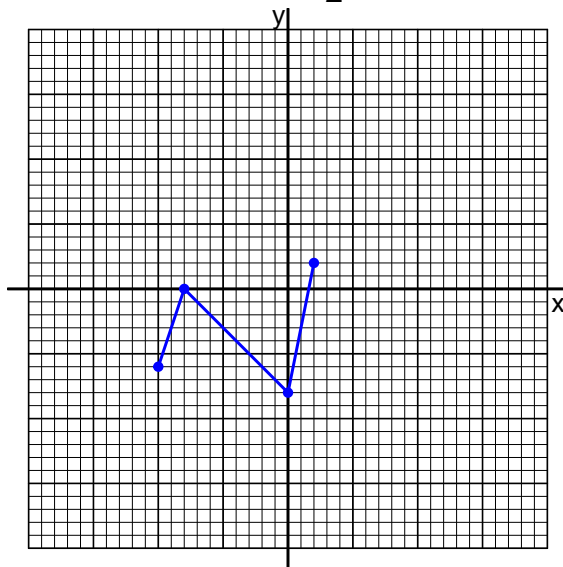
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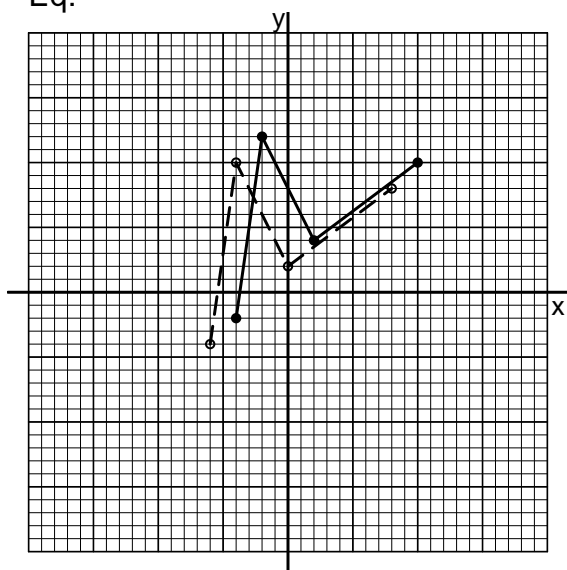


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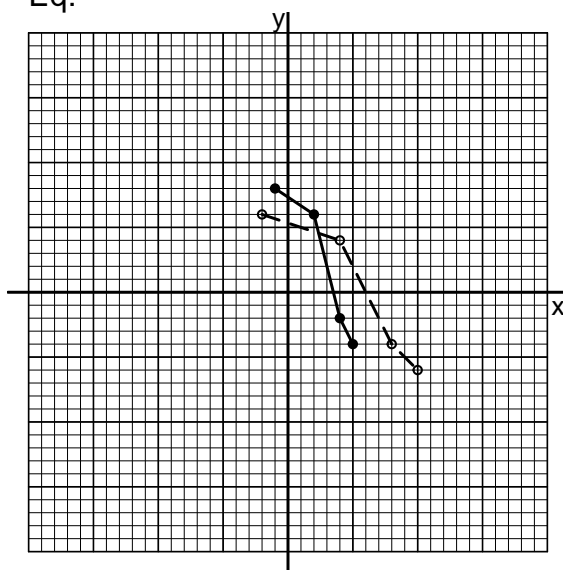


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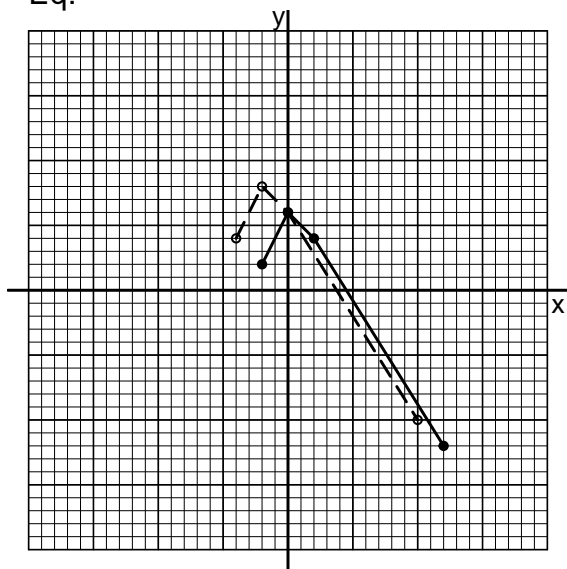
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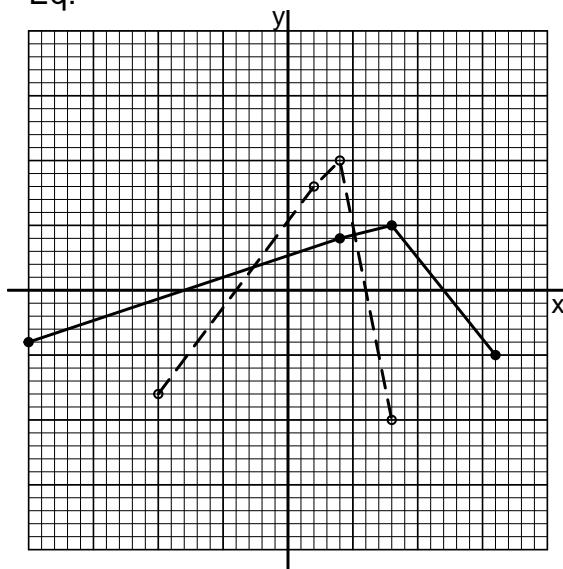
Eq:



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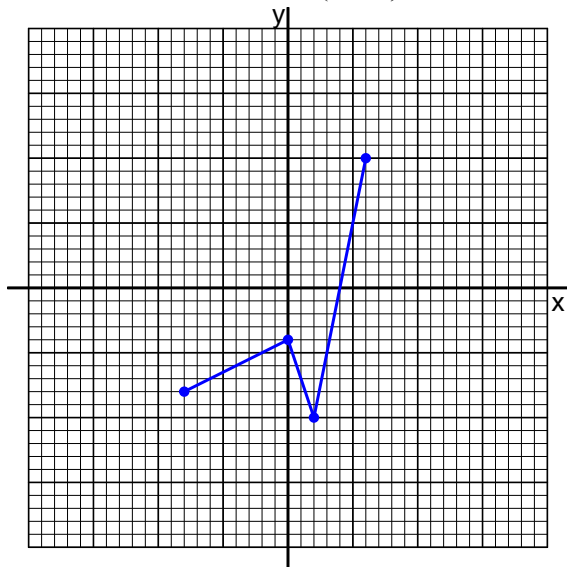


Eq:

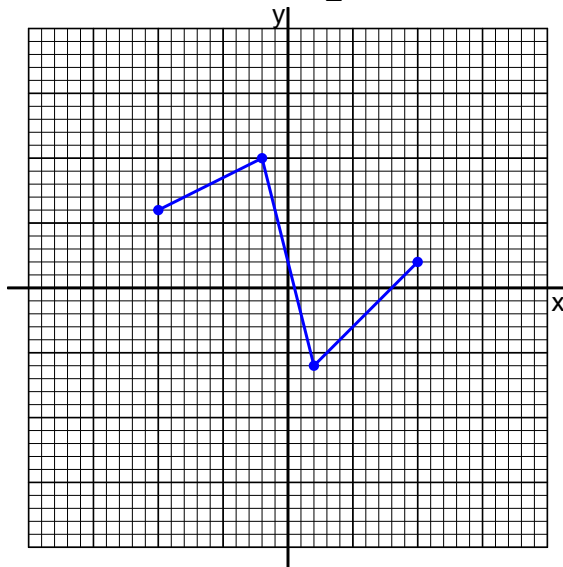


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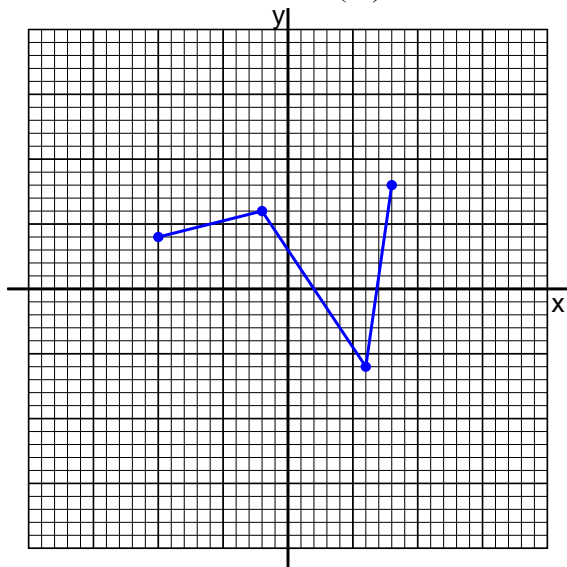
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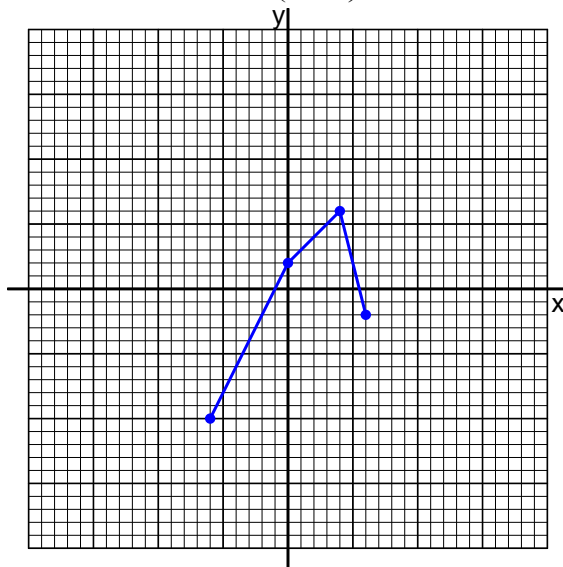
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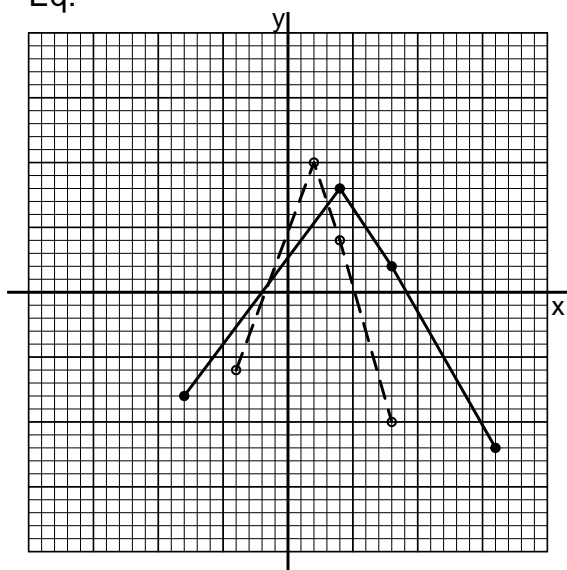


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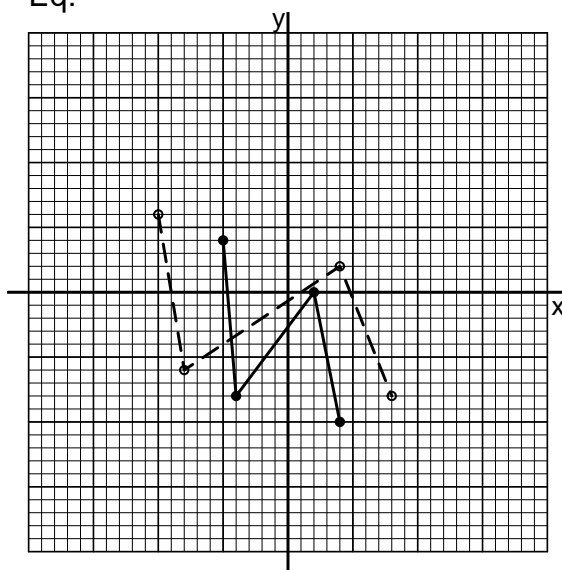


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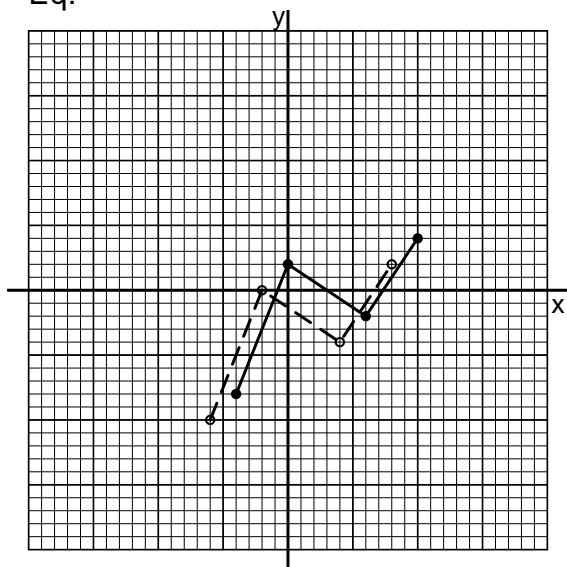
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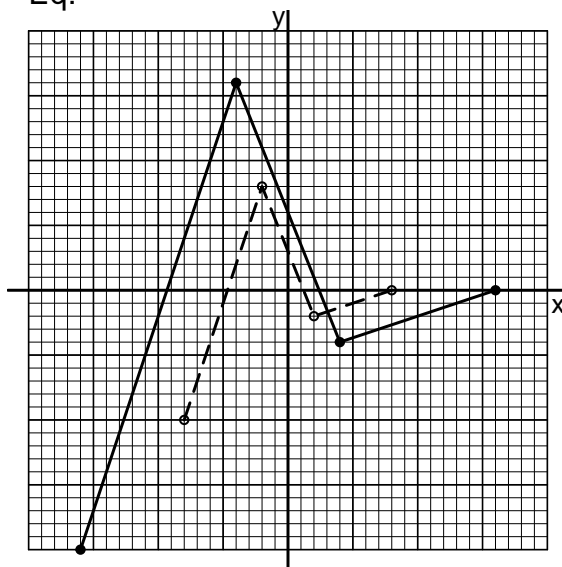
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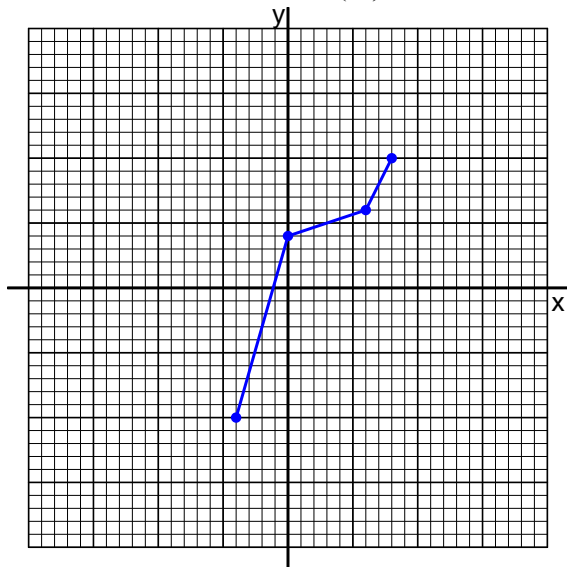
Eq:



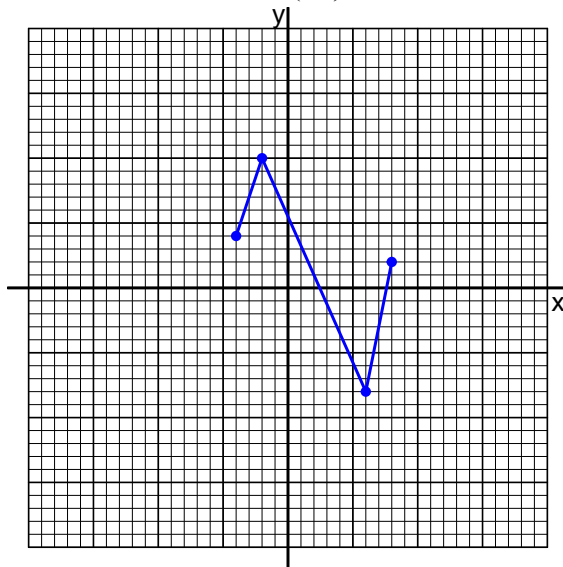


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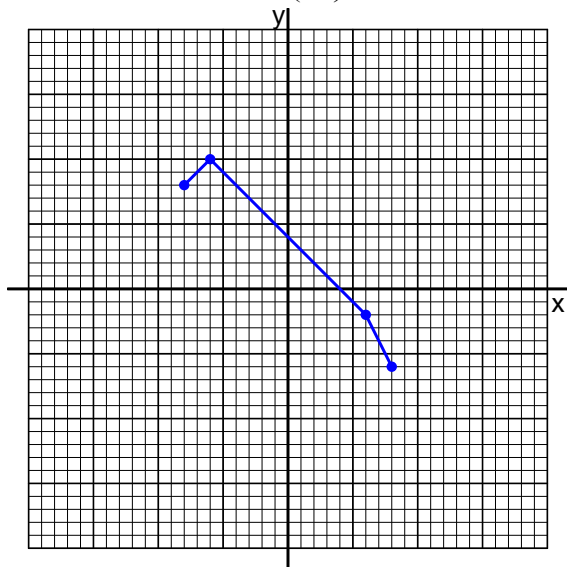
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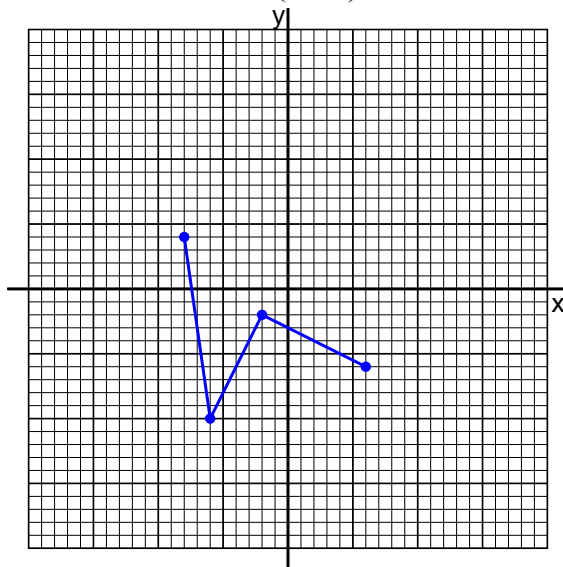
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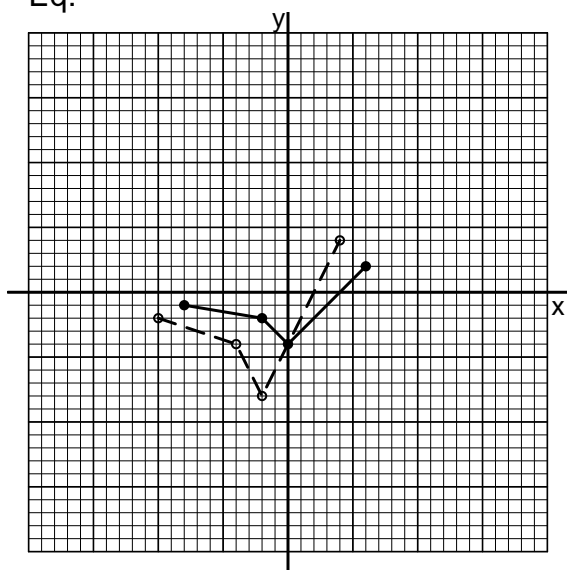


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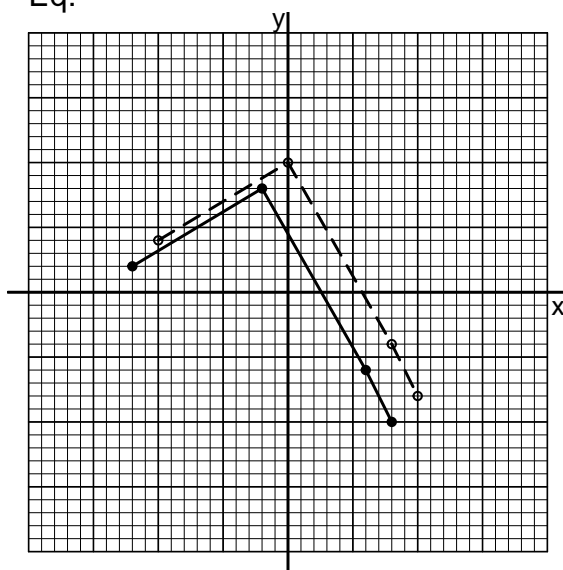


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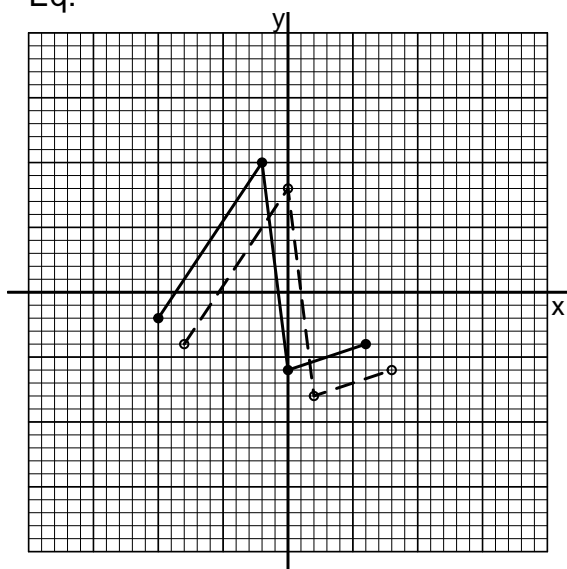
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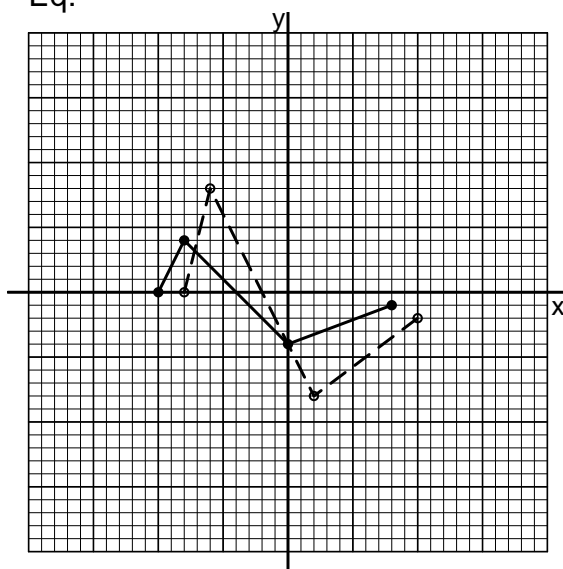
Eq:



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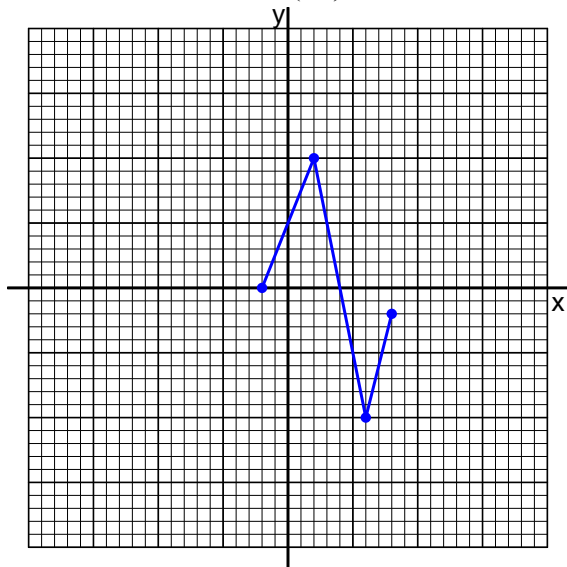


Eq:

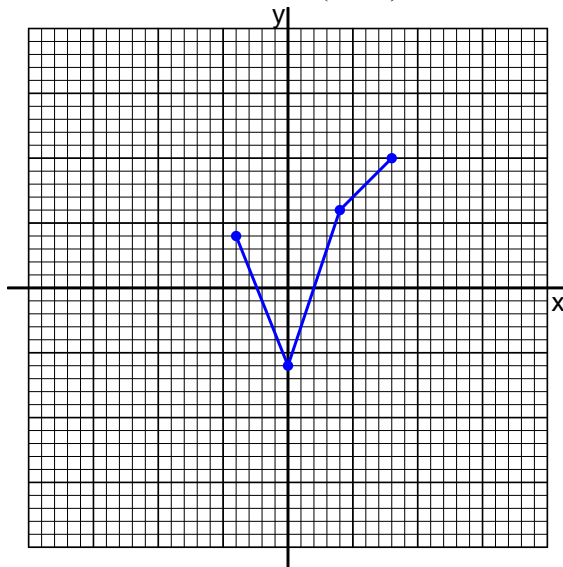


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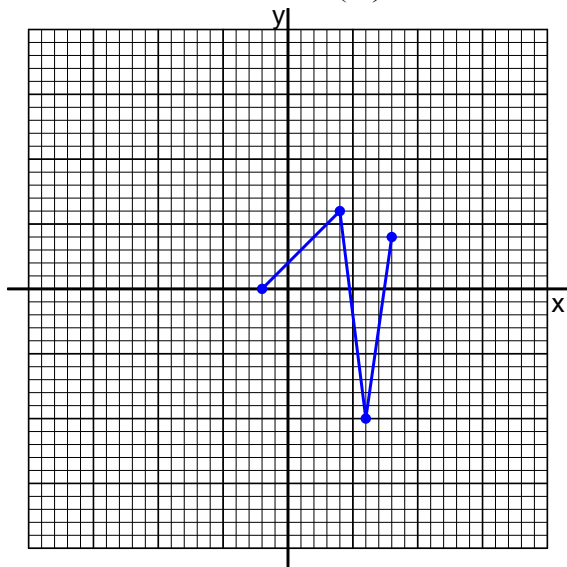
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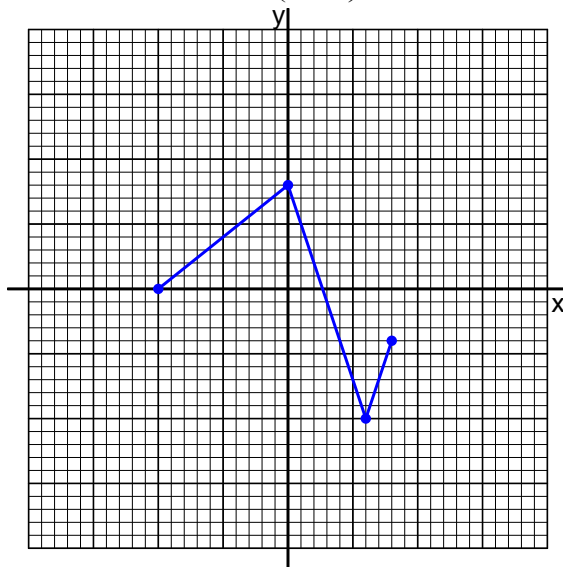
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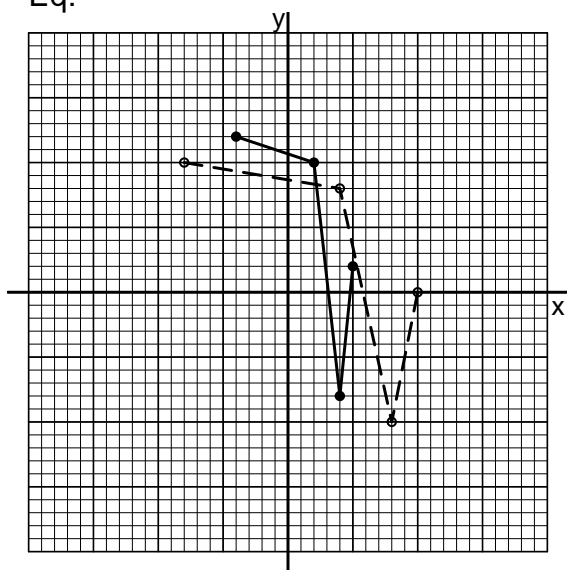


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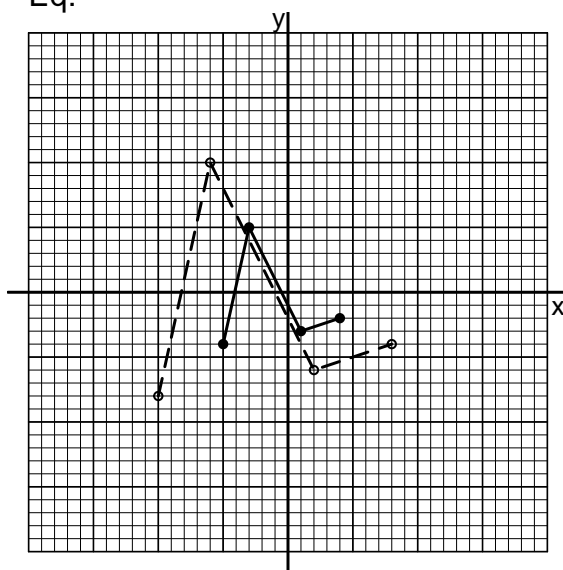


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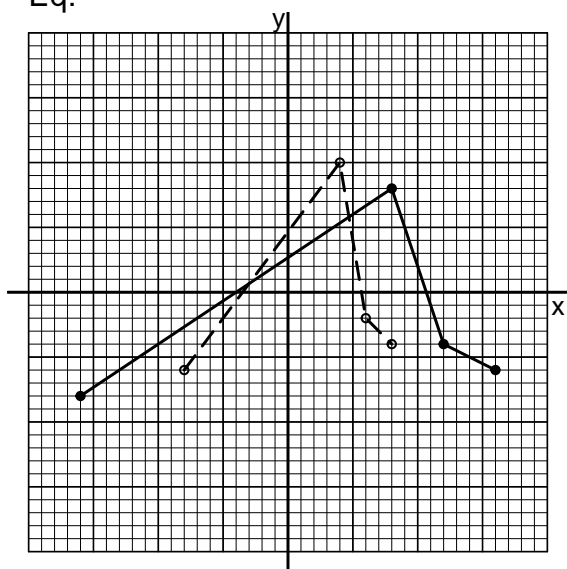
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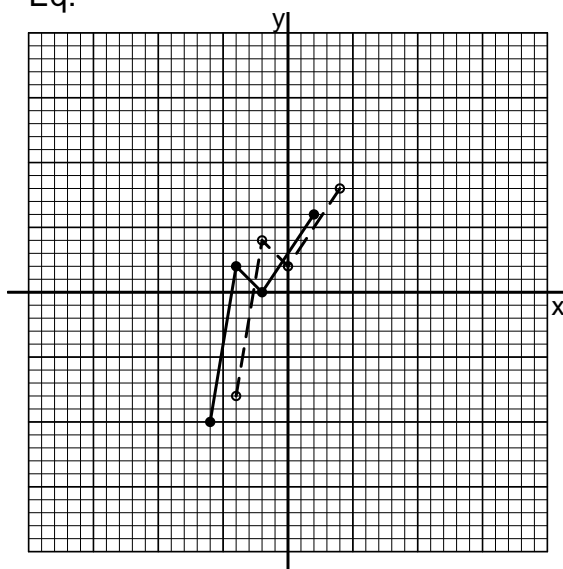
Eq:



Eq:

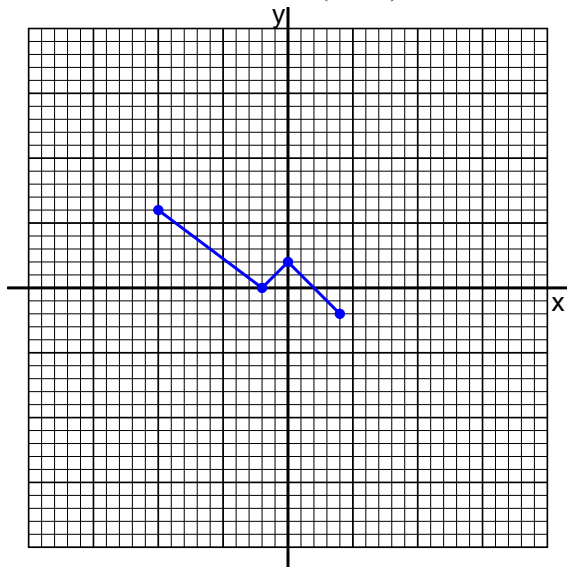


Eq:

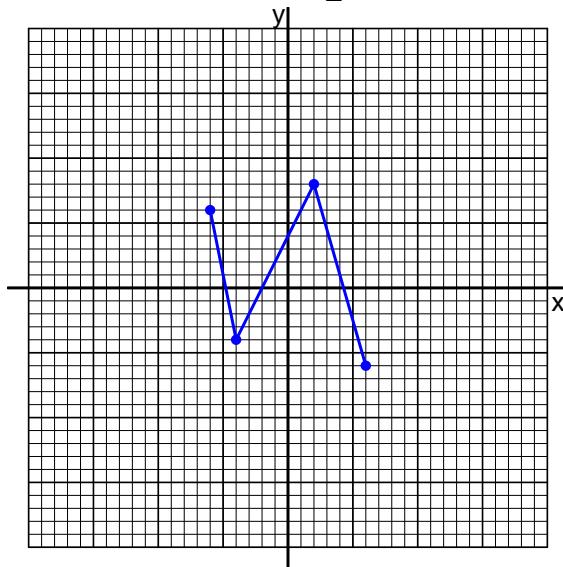


1. Each of the curves below represent a different  $y = f(x)$ . For each, draw a second curve,  $y = g(x)$ , defined by the equation above the graph.

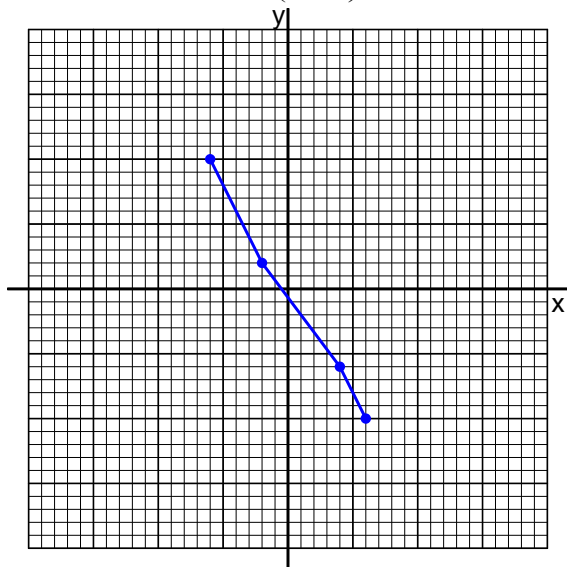
$$g(x) = 2 \cdot f(x-2)$$



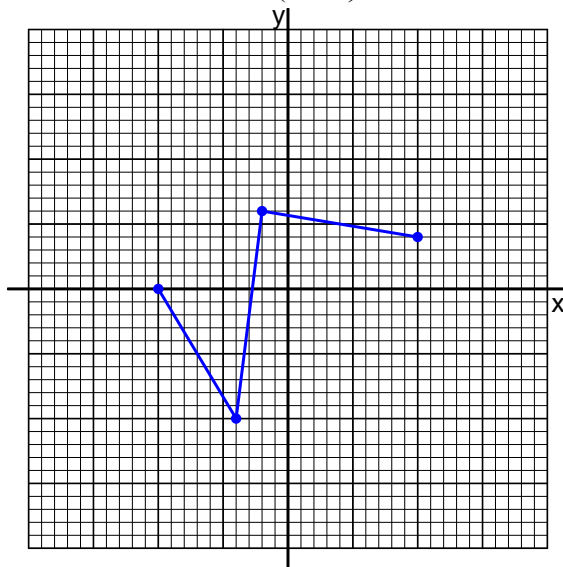
$$g(x) = \frac{f(x-2)}{2}$$



$$g(x) = f(x-2) - 2$$

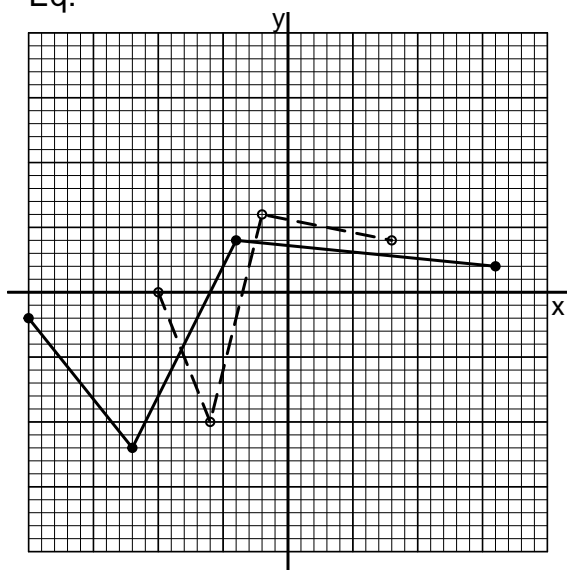


$$g(x) = f(x-2) + 2$$

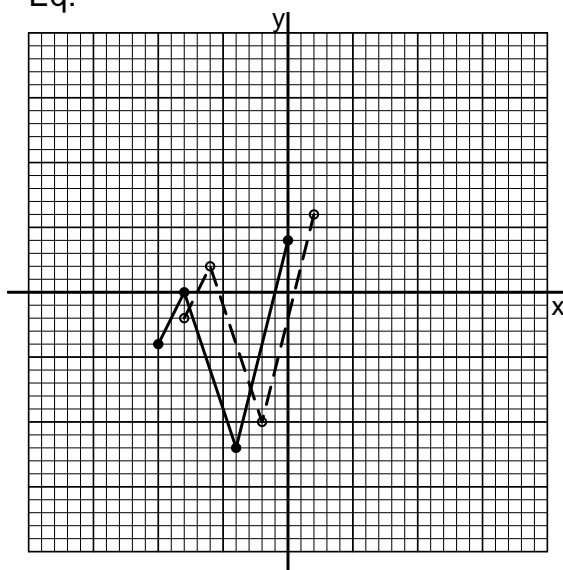


2. On each graph below, curve  $y = f(x)$  is shown as a dashed line with open dots at key points, and curve  $y = g(x)$  is shown as a solid line with closed dots at key points. For each, write an equation that defines  $g(x)$  as a transformation of  $f(x)$ .

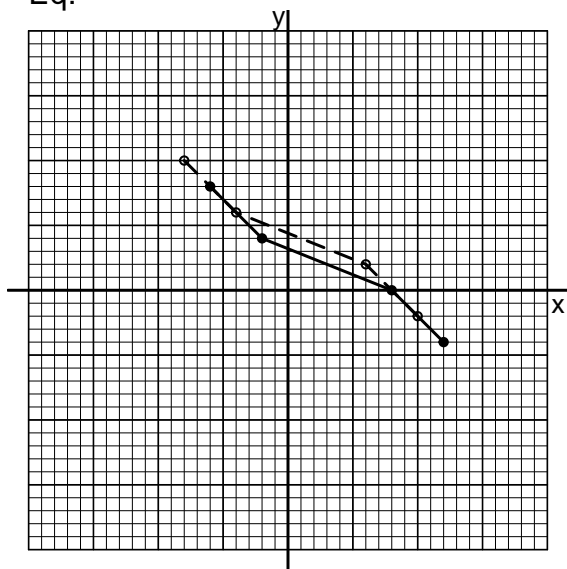
Eq:



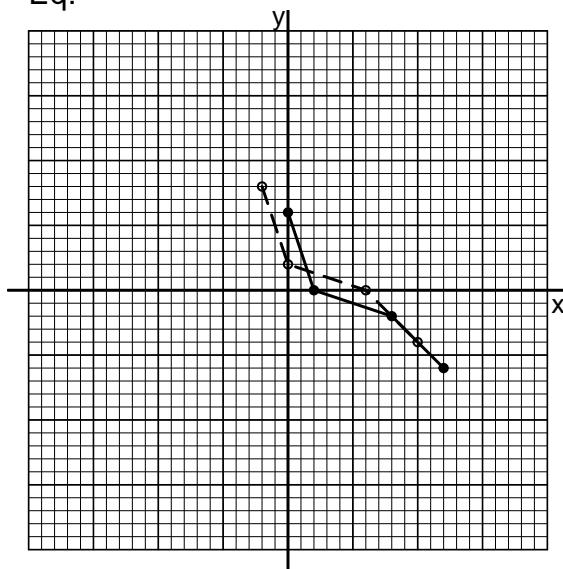
Eq:



Eq:

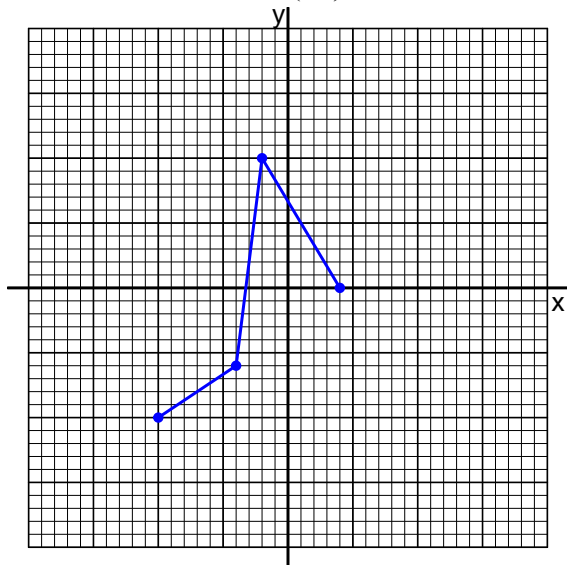


Eq:

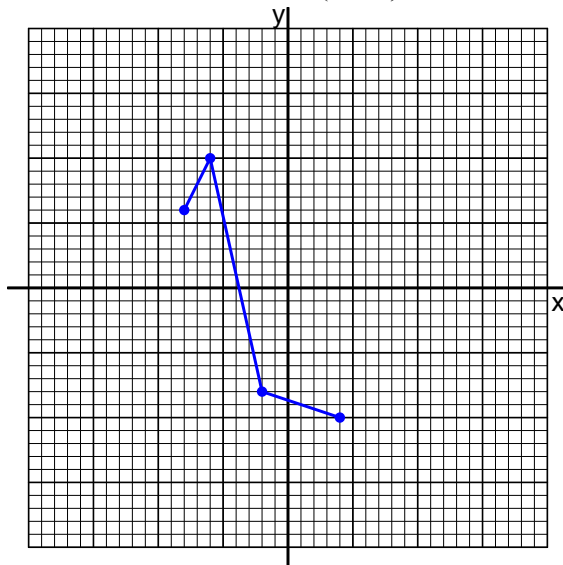


1. Each of the curves below represent a different  $y = f(x)$ . For each, draw a second curve,  $y = g(x)$ , defined by the equation above the graph.

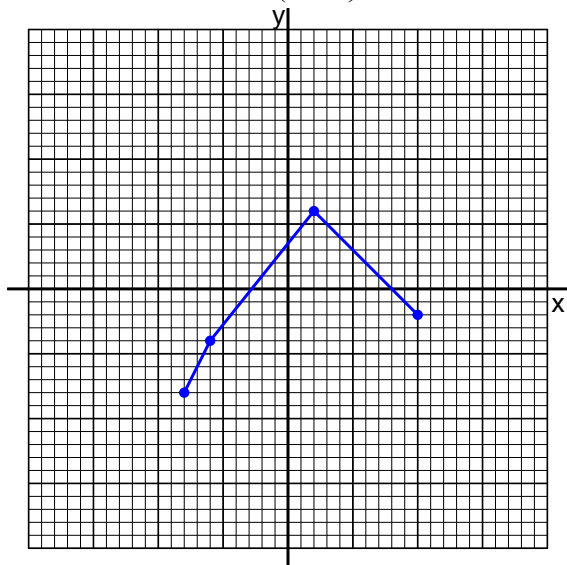
$$g(x) = f(2x) - 2$$



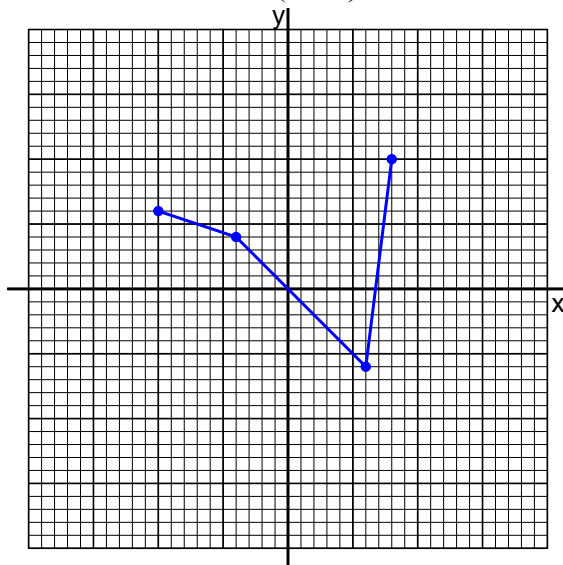
$$g(x) = 2 \cdot f(x+2)$$



$$g(x) = f(x+2) + 2$$

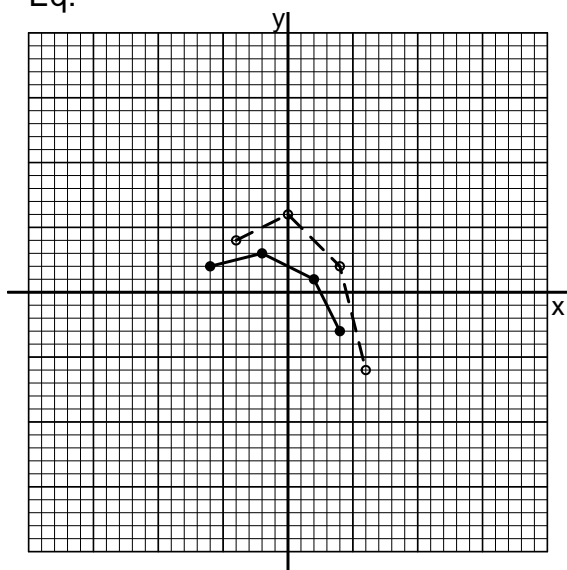


$$g(x) = f(x+2) - 2$$

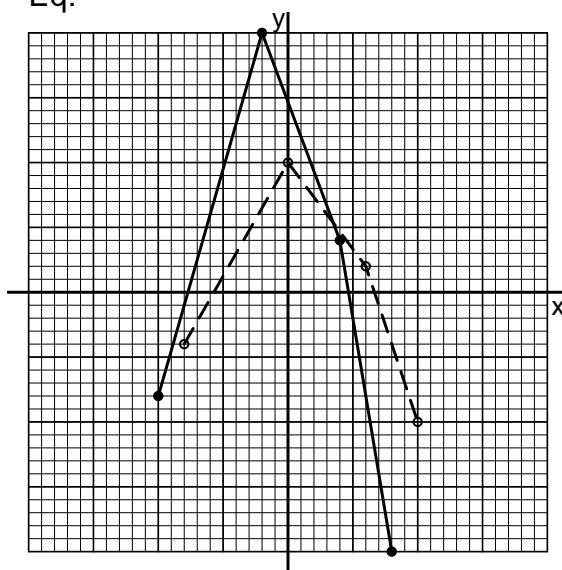


2. On each graph below, curve  $y = f(x)$  is shown as a dashed line with open dots at key points, and curve  $y = g(x)$  is shown as a solid line with closed dots at key points. For each, write an equation that defines  $g(x)$  as a transformation of  $f(x)$ .

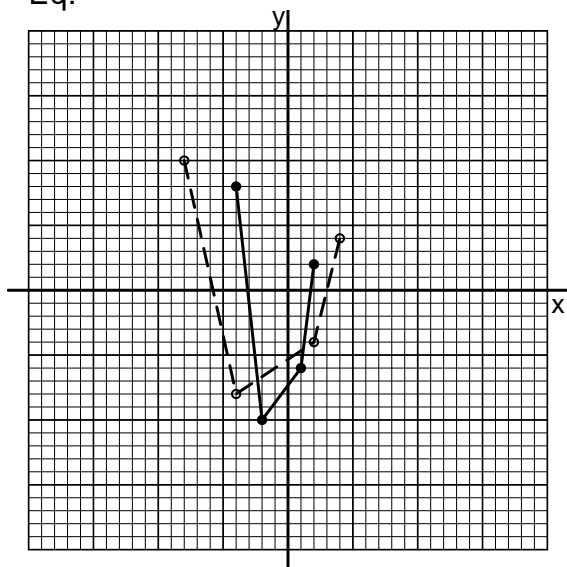
Eq:



Eq:



Eq:



Eq:

